

| <b>Notes Utilized Throughout Tables</b>   |  |
|---|--|
| <b>Soil Tables</b>  |  |
| J -   | Estimated value  |
| U -   | Indicates that the compound was analyzed for but not detected  |
| P -   | The RPD between the results for the two columns exceeds the method-specified criteria  |
| RPD -   | Relative Percent Difference  |
| F -   | The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration |
| ft bls -  | Feet below land surface  |
| FD -  | Duplicate sample   |
| mg/kg -   | Milligrams per kilogram  |
| ng/g -  | Nanograms per gram   |
| NYSDEC -  | New York State Department of Environmental Conservation  |
| SCO -   | Soil Cleanup Objectives  |
| --  | No SCO available   |
| Bold data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO |  |
| Shaded data indicates that parameter was detected above the NYSDEC Part 375 Industrial SCO              |  |
| <b>Per- and Polyfluoroalkyl Substances</b>  |  |
| GV -  | Guidance Values  |
| Bold data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater GV  |  |
| Shaded data indicates that parameter was detected above the NYSDEC Part 375 Industrial GV               |  |
| <b>Soil Vapor/Ambient Air</b>   |  |
| J -   | Estimated value  |
| U -   | Indicates that the compound was analyzed for but not detected  |
| ug/m3 -   | Micrograms per cubic meter   |
| Bold data indicates that parameter was detected   |  |

Table 1. Summary of Volatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York

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|  |   |                                |       | Sample Designation:               |            |            |              |            |
|--|---|--------------------------------|-------|-----------------------------------|------------|------------|--------------|------------|
|  |   |                                |       | SB011                             | SB011      | SB012      | SB012        | SB012      |
|  |   |                                |       | 05/05/2022                        | 05/05/2022 | 06/10/2022 | 06/10/2022   | 06/10/2022 |
|  |   |                                |       | Sample Date:                      |            |            |              |            |
|  |   |                                |       | 0 - 2                             | 15 - 17    | 0 - 2      | 12 - 14      | 12 - 14    |
|  |   |                                |       | Sample Depth (ft bls):            |            |            |              |            |
|  |   |                                |       | N                                 | N          | N          | N            | FD         |
|  |   |                                |       | Normal Sample or Field Duplicate: |            |            |              |            |
| Parameter                              | NYSDEC Part 375 Protection of Groundwater SCO | NYSDEC Part 375 Industrial SCO | Units |                                   |            |            |              |            |
| 1,1,1,2-Tetrachloroethane              | --  | --                             | MG/KG | 0.00056 U                         | 0.00077 U  | 0.00068 U  | 0.00085 U    | 0.00059 U  |
| 1,1,1-Trichloroethane (TCA)            | 0.68  | 1000                           | MG/KG | 0.00056 U                         | 0.00077 U  | 0.00068 U  | 0.00085 U    | 0.00059 U  |
| 1,1,2,2-Tetrachloroethane              | --  | --                             | MG/KG | 0.00056 U                         | 0.00077 U  | 0.00068 U  | 0.00085 U    | 0.00059 U  |
| 1,1,2-Trichloroethane                  | --  | --                             | MG/KG | 0.0011 U                          | 0.0015 U   | 0.0014 U   | 0.0017 U     | 0.0012 U   |
| 1,1-Dichloroethane                     | 0.27  | 480                            | MG/KG | 0.0011 U                          | 0.0015 U   | 0.0014 U   | 0.0017 U     | 0.0012 U   |
| 1,1-Dichloroethene                     | 0.33  | 1000                           | MG/KG | 0.0011 U                          | 0.0015 U   | 0.0014 U   | 0.0017 U     | 0.0012 U   |
| 1,1-Dichloropropene                    | --  | --                             | MG/KG | 0.00056 U                         | 0.00077 U  | 0.00068 U  | 0.00085 U    | 0.00059 U  |
| 1,2,3-Trichlorobenzene                 | --  | --                             | MG/KG | 0.0022 U                          | 0.0031 U   | 0.0027 U   | 0.0034 U     | 0.0024 U   |
| 1,2,3-Trichloropropane                 | --  | --                             | MG/KG | 0.0022 U                          | 0.0031 U   | 0.0027 U   | 0.0034 U     | 0.0024 U   |
| 1,2,4,5-Tetramethylbenzene             | --  | --                             | MG/KG | 0.0022 U                          | 0.0031 U   | 0.0027 U   | 0.0034 U     | 0.0024 U   |
| 1,2,4-Trichlorobenzene                 | --  | --                             | MG/KG | 0.0022 U                          | 0.0031 U   | 0.0027 U   | 0.0034 U     | 0.0024 U   |
| 1,2,4-Trimethylbenzene                 | 3.6   | 380                            | MG/KG | 0.0022 U                          | 0.0031 U   | 0.0027 U   | 0.0034 U     | 0.0024 U   |
| 1,2-Dibromo-3-Chloropropane            | --  | --                             | MG/KG | 0.0034 U                          | 0.0046 U   | 0.0041 U   | 0.0051 U     | 0.0036 U   |
| 1,2-Dibromoethane (Ethylene Dibromide) | --  | --                             | MG/KG | 0.0011 U                          | 0.0015 U   | 0.0014 U   | 0.0017 U     | 0.0012 U   |
| 1,2-Dichlorobenzene                    | 1.1   | 1000                           | MG/KG | 0.0022 U                          | 0.0031 U   | 0.0027 U   | 0.0034 U     | 0.0024 U   |
| 1,2-Dichloroethane                     | 0.02  | 60                             | MG/KG | 0.0011 U                          | 0.0015 U   | 0.0014 U   | 0.0017 U     | 0.0012 U   |
| 1,2-Dichloropropane                    | --  | --                             | MG/KG | 0.0011 U                          | 0.0015 U   | 0.0014 U   | 0.0017 U     | 0.0012 U   |
| 1,3,5-Trimethylbenzene (Mesitylene)    | 8.4   | 380                            | MG/KG | 0.0022 U                          | 0.0031 U   | 0.0027 U   | 0.0034 U     | 0.0024 U   |
| 1,3-Dichlorobenzene                    | 2.4   | 560                            | MG/KG | 0.0022 U                          | 0.0031 U   | 0.0027 U   | 0.0034 U     | 0.0024 U   |
| 1,3-Dichloropropane                    | --  | --                             | MG/KG | 0.0022 U                          | 0.0031 U   | 0.0027 U   | 0.0034 U     | 0.0024 U   |
| 1,4-Dichlorobenzene                    | 1.8   | 250                            | MG/KG | 0.0022 U                          | 0.0031 U   | 0.0027 U   | 0.0034 U     | 0.0024 U   |
| 1,4-Diethyl Benzene                    | --  | --                             | MG/KG | 0.0022 U                          | 0.0031 U   | 0.0027 U   | 0.0034 U     | 0.0024 U   |
| 1,4-Dioxane (P-Dioxane)                | 0.1   | 250                            | MG/KG | 0.09 U                            | 0.12 U     | 0.11 U     | 0.14 U       | 0.095 U    |
| 2,2-Dichloropropane                    | --  | --                             | MG/KG | 0.0022 U                          | 0.0031 U   | 0.0027 U   | 0.0034 U     | 0.0024 U   |
| 2-Chlorotoluene                        | --  | --                             | MG/KG | 0.0022 U                          | 0.0031 U   | 0.0027 U   | 0.0034 U     | 0.0024 U   |
| 2-Hexanone                             | --  | --                             | MG/KG | 0.011 U                           | 0.015 U    | 0.014 U    | 0.017 U      | 0.012 U    |
| 4-Chlorotoluene                        | --  | --                             | MG/KG | 0.0022 U                          | 0.0031 U   | 0.0027 U   | 0.0034 U     | 0.0024 U   |
| 4-Ethyltoluene                         | --  | --                             | MG/KG | 0.0022 U                          | 0.0031 U   | 0.0027 U   | 0.0034 U     | 0.0024 U   |
| Acetone                                | <b>0.05</b>                                   | 1000                           | MG/KG | 0.011 U                           | 0.015 U    | 0.014 U    | <b>0.066</b> | 0.012 U    |
| Acrylonitrile                          | --  | --                             | MG/KG | 0.0045 U                          | 0.0062 U   | 0.0054 U   | 0.0068 U     | 0.0048 U   |
| Benzene                                | 0.06  | 89                             | MG/KG | 0.00056 U                         | 0.00077 U  | 0.00068 U  | 0.00085 U    | 0.00059 U  |
| Bromobenzene                           | --  | --                             | MG/KG | 0.0022 U                          | 0.0031 U   | 0.0027 U   | 0.0034 U     | 0.0024 U   |

**Table 1. Summary of Volatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York**

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|   |   |                                |       | Sample Designation:               | SB011      | SB011      | SB012      | SB012      | SB012      |
|---|---|--------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|
|   |   |                                |       | Sample Date:                      | 05/05/2022 | 05/05/2022 | 06/10/2022 | 06/10/2022 | 06/10/2022 |
|   |   |                                |       | Sample Depth (ft bls):            | 0 - 2      | 15 - 17    | 0 - 2      | 12 - 14    | 12 - 14    |
|   |   |                                |       | Normal Sample or Field Duplicate: | N          | N          | N          | N          | FD         |
| Parameter                                     | NYSDEC Part 375 Protection of Groundwater SCO | NYSDEC Part 375 Industrial SCO | Units |                                   |            |            |            |            |            |
| Bromochloromethane                            | --  | --                             | MG/KG | 0.0022 U                          | 0.0031 U   | 0.0027 U   | 0.0034 U   | 0.0024 U   |            |
| Bromodichloromethane                          | --  | --                             | MG/KG | 0.00056 U                         | 0.00077 U  | 0.00068 U  | 0.00085 U  | 0.00059 U  |            |
| Bromoform                                     | --  | --                             | MG/KG | 0.0045 U                          | 0.0062 U   | 0.0054 U   | 0.0068 U   | 0.0048 U   |            |
| Bromomethane                                  | --  | --                             | MG/KG | 0.0022 U                          | 0.0031 U   | 0.0027 U   | 0.0034 U   | 0.0024 U   |            |
| Carbon Disulfide                              | --  | --                             | MG/KG | 0.011 U                           | 0.015 U    | 0.014 U    | 0.017 U    | 0.012 U    |            |
| Carbon Tetrachloride                          | 0.76  | 44                             | MG/KG | 0.0011 U                          | 0.0015 U   | 0.0014 U   | 0.0017 U   | 0.0012 U   |            |
| Chlorobenzene                                 | 1.1   | 1000                           | MG/KG | 0.00056 U                         | 0.00077 U  | 0.00068 U  | 0.00085 U  | 0.00059 U  |            |
| Chloroethane                                  | --  | --                             | MG/KG | 0.0022 U                          | 0.0031 U   | 0.0027 U   | 0.0034 U   | 0.0024 U   |            |
| Chloroform                                    | 0.37  | 700                            | MG/KG | 0.00087 J                         | 0.0019 J   | 0.002 U    | 0.0026 U   | 0.0018 U   |            |
| Chloromethane                                 | --  | --                             | MG/KG | 0.0045 U                          | 0.0062 U   | 0.0054 U   | 0.0068 U   | 0.0048 U   |            |
| Cis-1,2-Dichloroethylene                      | 0.25  | 1000                           | MG/KG | 0.0011 U                          | 0.0015 U   | 0.0014 U   | 0.0017 U   | 0.0012 U   |            |
| Cis-1,3-Dichloropropene                       | --  | --                             | MG/KG | 0.00056 U                         | 0.00077 U  | 0.00068 U  | 0.00085 U  | 0.00059 U  |            |
| Cymene  | --  | --                             | MG/KG | 0.0011 U                          | 0.0015 U   | 0.0014 U   | 0.0017 U   | 0.0012 U   |            |
| Dibromochloromethane                          | --  | --                             | MG/KG | 0.0011 U                          | 0.0015 U   | 0.0014 U   | 0.0017 U   | 0.0012 U   |            |
| Dibromomethane                                | --  | --                             | MG/KG | 0.0022 U                          | 0.0031 U   | 0.0027 U   | 0.0034 U   | 0.0024 U   |            |
| Dichlorodifluoromethane                       | --  | --                             | MG/KG | 0.011 U                           | 0.015 U    | 0.014 U    | 0.017 U    | 0.012 U    |            |
| Dichloroethylenes                             | --  | --                             | MG/KG | 0.0011 U                          | 0.0015 U   | 0.0014 U   | 0.0017 U   | 0.0012 U   |            |
| Diethyl Ether (Ethyl Ether)                   | --  | --                             | MG/KG | 0.0022 U                          | 0.0031 U   | 0.0027 U   | 0.0034 U   | 0.0024 U   |            |
| Ethylbenzene                                  | 1   | 780                            | MG/KG | 0.00018 J                         | 0.00032 J  | 0.0014 U   | 0.0017 U   | 0.0012 U   |            |
| Hexachlorobutadiene                           | --  | --                             | MG/KG | 0.0045 U                          | 0.0062 U   | 0.0054 U   | 0.0068 U   | 0.0048 U   |            |
| Isopropylbenzene (Cumene)                     | --  | --                             | MG/KG | 0.0011 U                          | 0.0015 U   | 0.0014 U   | 0.0017 U   | 0.0012 U   |            |
| m,p-Xylene                                    | --  | --                             | MG/KG | 0.00073 J                         | 0.0012 J   | 0.0027 U   | 0.0034 U   | 0.0024 U   |            |
| Methyl Ethyl Ketone (2-Butanone)              | 0.12  | 1000                           | MG/KG | 0.011 U                           | 0.015 U    | 0.014 U    | 0.008 J    | 0.012 U    |            |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | --  | --                             | MG/KG | 0.011 U                           | 0.015 U    | 0.014 U    | 0.017 U    | 0.012 U    |            |
| Methylene Chloride                            | 0.05  | 1000                           | MG/KG | 0.0056 U                          | 0.0077 U   | 0.0068 U   | 0.0085 U   | 0.0059 U   |            |
| Naphthalene                                   | 12  | 1000                           | MG/KG | 0.0045 U                          | 0.0062 U   | 0.0054 U   | 0.0068 U   | 0.0048 U   |            |
| N-Butylbenzene                                | 12  | 1000                           | MG/KG | 0.0011 U                          | 0.0015 U   | 0.0014 U   | 0.0017 U   | 0.0012 U   |            |
| N-Propylbenzene                               | 3.9   | 1000                           | MG/KG | 0.0011 U                          | 0.0015 U   | 0.0014 U   | 0.0017 U   | 0.0012 U   |            |
| O-Xylene (1,2-Dimethylbenzene)                | --  | --                             | MG/KG | 0.0011 U                          | 0.0015 U   | 0.0014 U   | 0.0017 U   | 0.0012 U   |            |
| Sec-Butylbenzene                              | 11  | 1000                           | MG/KG | 0.0011 U                          | 0.0015 U   | 0.0014 U   | 0.0017 U   | 0.0012 U   |            |
| Styrene                                       | --  | --                             | MG/KG | 0.0011 U                          | 0.0015 U   | 0.0014 U   | 0.0017 U   | 0.0012 U   |            |
| T-Butylbenzene                                | 5.9   | 1000                           | MG/KG | 0.0022 U                          | 0.0031 U   | 0.0027 U   | 0.0034 U   | 0.0024 U   |            |

**Table 1. Summary of Volatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York**

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|  |   |                                      |       | Sample Designation:               |            |            |            |            |
|--|---|--------------------------------------|-------|-----------------------------------|------------|------------|------------|------------|
|  |   |                                      |       | SB011                             | SB011      | SB012      | SB012      | SB012      |
|  |   |                                      |       | 05/05/2022                        | 05/05/2022 | 06/10/2022 | 06/10/2022 | 06/10/2022 |
|  |   |                                      |       | Sample Date:                      |            |            |            |            |
|  |   |                                      |       | 0 - 2                             | 15 - 17    | 0 - 2      | 12 - 14    | 12 - 14    |
|  |   |                                      |       | Sample Depth (ft bls):            |            |            |            |            |
|  |   |                                      |       | N                                 | N          | N          | N          | FD         |
|  |   |                                      |       | Normal Sample or Field Duplicate: |            |            |            |            |
| Parameter                                  | NYSDEC Part 375<br>Protection of<br>Groundwater SCO | NYSDEC Part<br>375 Industrial<br>SCO | Units |                                   |            |            |            |            |
| Tert-Butyl Methyl Ether                    | 0.93  | 1000                                 | MG/KG | 0.0022 U                          | 0.0031 U   | 0.0027 U   | 0.0034 U   | 0.0024 U   |
| Tetrachloroethylene (PCE)                  | <b>1.3</b>  | 300                                  | MG/KG | 0.00056 U                         | 0.00077 U  | 0.00068 U  | 0.00085 U  | 0.00059 U  |
| Toluene                                    | 0.7   | 1000                                 | MG/KG | 0.0011 U                          | 0.0015 U   | 0.0014 U   | 0.0017 U   | 0.0012 U   |
| Total, 1,3-Dichloropropene (Cis And Trans) | --  | --                                   | MG/KG | 0.00056 U                         | 0.00077 U  | 0.00068 U  | 0.00085 U  | 0.00059 U  |
| Trans-1,2-Dichloroethene                   | 0.19  | 1000                                 | MG/KG | 0.0017 U                          | 0.0023 U   | 0.002 U    | 0.0026 U   | 0.0018 U   |
| Trans-1,3-Dichloropropene                  | --  | --                                   | MG/KG | 0.0011 U                          | 0.0015 U   | 0.0014 U   | 0.0017 U   | 0.0012 U   |
| Trans-1,4-Dichloro-2-Butene                | --  | --                                   | MG/KG | 0.0056 U                          | 0.0077 U   | 0.0068 U   | 0.0085 U   | 0.0059 U   |
| Trichloroethylene (TCE)                    | <b>0.47</b>   | 400                                  | MG/KG | 0.00056 U                         | 0.00077 U  | 0.00068 U  | 0.00085 U  | 0.00059 U  |
| Trichlorofluoromethane                     | --  | --                                   | MG/KG | 0.0045 U                          | 0.0062 U   | 0.0054 U   | 0.0068 U   | 0.0048 U   |
| Vinyl Acetate                              | --  | --                                   | MG/KG | 0.011 U                           | 0.015 U    | 0.014 U    | 0.017 U    | 0.012 U    |
| Vinyl Chloride                             | 0.02  | 27                                   | MG/KG | 0.0011 U                          | 0.0015 U   | 0.0014 U   | 0.0017 U   | 0.0012 U   |
| Xylenes                                    | 1.6   | 1000                                 | MG/KG | 0.00073 J                         | 0.0012 J   | 0.0014 U   | 0.0017 U   | 0.0012 U   |

Table 1. Summary of Volatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York

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|  |   |                                |       | Sample Designation:               |            |            |            |            |
|--|---|--------------------------------|-------|-----------------------------------|------------|------------|------------|------------|
|  |   |                                |       | SB012                             | SB013      | SB013      | SB013      | SB014      |
|  |   |                                |       | 06/10/2022                        | 06/10/2022 | 06/10/2022 | 06/10/2022 | 06/13/2022 |
|  |   |                                |       | Sample Date:                      |            |            |            |            |
|  |   |                                |       | 15 - 17                           | 0 - 2      | 6 - 8      | 10 - 12    | 0 - 2      |
|  |   |                                |       | Sample Depth (ft bls):            |            |            |            |            |
|  |   |                                |       | N                                 | N          | N          | N          | N          |
|  |   |                                |       | Normal Sample or Field Duplicate: |            |            |            |            |
| Parameter                              | NYSDEC Part 375 Protection of Groundwater SCO | NYSDEC Part 375 Industrial SCO | Units |                                   |            |            |            |            |
| 1,1,1,2-Tetrachloroethane              | --  | --                             | MG/KG | 0.00061 U                         | 0.00078 U  | 0.0006 U   | 0.00072 U  | 0.00068 U  |
| 1,1,1-Trichloroethane (TCA)            | 0.68  | 1000                           | MG/KG | 0.00061 U                         | 0.00078 U  | 0.0006 U   | 0.00072 U  | 0.00068 U  |
| 1,1,2,2-Tetrachloroethane              | --  | --                             | MG/KG | 0.00061 U                         | 0.00078 U  | 0.0006 U   | 0.00072 U  | 0.00068 U  |
| 1,1,2-Trichloroethane                  | --  | --                             | MG/KG | 0.0012 U                          | 0.0016 U   | 0.0012 U   | 0.0014 U   | 0.0014 U   |
| 1,1-Dichloroethane                     | 0.27  | 480                            | MG/KG | 0.0012 U                          | 0.0016 U   | 0.0012 U   | 0.0014 U   | 0.0014 U   |
| 1,1-Dichloroethene                     | 0.33  | 1000                           | MG/KG | 0.0012 U                          | 0.0016 U   | 0.0012 U   | 0.0014 U   | 0.0014 U   |
| 1,1-Dichloropropene                    | --  | --                             | MG/KG | 0.00061 U                         | 0.00078 U  | 0.0006 U   | 0.00072 U  | 0.00068 U  |
| 1,2,3-Trichlorobenzene                 | --  | --                             | MG/KG | 0.0024 U                          | 0.0031 U   | 0.0024 U   | 0.0029 U   | 0.0027 U   |
| 1,2,3-Trichloropropane                 | --  | --                             | MG/KG | 0.0024 U                          | 0.0031 U   | 0.0024 U   | 0.0029 U   | 0.0027 U   |
| 1,2,4,5-Tetramethylbenzene             | --  | --                             | MG/KG | 0.0024 U                          | 0.0031 U   | 0.0024 U   | 0.0029 U   | 0.0027 U   |
| 1,2,4-Trichlorobenzene                 | --  | --                             | MG/KG | 0.0024 U                          | 0.0031 U   | 0.0024 U   | 0.0029 U   | 0.0027 U   |
| 1,2,4-Trimethylbenzene                 | 3.6   | 380                            | MG/KG | 0.0024 U                          | 0.00063 J  | 0.0024 U   | 0.0029 U   | 0.0027 U   |
| 1,2-Dibromo-3-Chloropropane            | --  | --                             | MG/KG | 0.0036 U                          | 0.0047 U   | 0.0036 U   | 0.0043 U   | 0.0041 U   |
| 1,2-Dibromoethane (Ethylene Dibromide) | --  | --                             | MG/KG | 0.0012 U                          | 0.0016 U   | 0.0012 U   | 0.0014 U   | 0.0014 U   |
| 1,2-Dichlorobenzene                    | 1.1   | 1000                           | MG/KG | 0.0024 U                          | 0.0031 U   | 0.0024 U   | 0.0029 U   | 0.0027 U   |
| 1,2-Dichloroethane                     | 0.02  | 60                             | MG/KG | 0.0012 U                          | 0.0016 U   | 0.0012 U   | 0.0014 U   | 0.0014 U   |
| 1,2-Dichloropropane                    | --  | --                             | MG/KG | 0.0012 U                          | 0.0016 U   | 0.0012 U   | 0.0014 U   | 0.0014 U   |
| 1,3,5-Trimethylbenzene (Mesitylene)    | 8.4   | 380                            | MG/KG | 0.0024 U                          | 0.0031 U   | 0.0024 U   | 0.0029 U   | 0.0027 U   |
| 1,3-Dichlorobenzene                    | 2.4   | 560                            | MG/KG | 0.0024 U                          | 0.0031 U   | 0.0024 U   | 0.0029 U   | 0.0027 U   |
| 1,3-Dichloropropane                    | --  | --                             | MG/KG | 0.0024 U                          | 0.0031 U   | 0.0024 U   | 0.0029 U   | 0.0027 U   |
| 1,4-Dichlorobenzene                    | 1.8   | 250                            | MG/KG | 0.0024 U                          | 0.0031 U   | 0.0024 U   | 0.0029 U   | 0.0027 U   |
| 1,4-Diethyl Benzene                    | --  | --                             | MG/KG | 0.0024 U                          | 0.0031 U   | 0.0024 U   | 0.0029 U   | 0.0027 U   |
| 1,4-Dioxane (P-Dioxane)                | 0.1   | 250                            | MG/KG | 0.097 U                           | 0.12 U     | 0.097 U    | 0.11 U     | 0.11 U     |
| 2,2-Dichloropropane                    | --  | --                             | MG/KG | 0.0024 U                          | 0.0031 U   | 0.0024 U   | 0.0029 U   | 0.0027 U   |
| 2-Chlorotoluene                        | --  | --                             | MG/KG | 0.0024 U                          | 0.0031 U   | 0.0024 U   | 0.0029 U   | 0.0027 U   |
| 2-Hexanone                             | --  | --                             | MG/KG | 0.012 U                           | 0.016 U    | 0.012 U    | 0.014 U    | 0.014 U    |
| 4-Chlorotoluene                        | --  | --                             | MG/KG | 0.0024 U                          | 0.0031 U   | 0.0024 U   | 0.0029 U   | 0.0027 U   |
| 4-Ethyltoluene                         | --  | --                             | MG/KG | 0.0024 U                          | 0.0031 U   | 0.0024 U   | 0.0029 U   | 0.0027 U   |
| Acetone                                | <b>0.05</b>                                   | 1000                           | MG/KG | 0.012 U                           | 0.023      | 0.012 U    | 0.0085 J   | 0.014 U    |
| Acrylonitrile                          | --  | --                             | MG/KG | 0.0048 U                          | 0.0063 U   | 0.0048 U   | 0.0057 U   | 0.0055 U   |
| Benzene                                | 0.06  | 89                             | MG/KG | 0.00061 U                         | 0.00028 J  | 0.0006 U   | 0.00072 U  | 0.00068 U  |
| Bromobenzene                           | --  | --                             | MG/KG | 0.0024 U                          | 0.0031 U   | 0.0024 U   | 0.0029 U   | 0.0027 U   |

Table 1. Summary of Volatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York

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|   |   |                                |       | Sample Designation:               | SB012      | SB013      | SB013      | SB013      | SB014      |
|---|---|--------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|
|   |   |                                |       | Sample Date:                      | 06/10/2022 | 06/10/2022 | 06/10/2022 | 06/10/2022 | 06/13/2022 |
|   |   |                                |       | Sample Depth (ft bls):            | 15 - 17    | 0 - 2      | 6 - 8      | 10 - 12    | 0 - 2      |
|   |   |                                |       | Normal Sample or Field Duplicate: | N          | N          | N          | N          | N          |
| Parameter                                     | NYSDEC Part 375 Protection of Groundwater SCO | NYSDEC Part 375 Industrial SCO | Units |                                   |            |            |            |            |            |
| Bromochloromethane                            | --  | --                             | MG/KG | 0.0024 U                          | 0.0031 U   | 0.0024 U   | 0.0029 U   | 0.0027 U   |            |
| Bromodichloromethane                          | --  | --                             | MG/KG | 0.00061 U                         | 0.00078 U  | 0.0006 U   | 0.00072 U  | 0.00068 U  |            |
| Bromoform                                     | --  | --                             | MG/KG | 0.0048 U                          | 0.0063 U   | 0.0048 U   | 0.0057 U   | 0.0055 U   |            |
| Bromomethane                                  | --  | --                             | MG/KG | 0.0024 U                          | 0.0031 U   | 0.0024 U   | 0.0029 U   | 0.0027 U   |            |
| Carbon Disulfide                              | --  | --                             | MG/KG | 0.012 U                           | 0.016 U    | 0.012 U    | 0.014 U    | 0.014 U    |            |
| Carbon Tetrachloride                          | 0.76  | 44                             | MG/KG | 0.0012 U                          | 0.0016 U   | 0.0012 U   | 0.0014 U   | 0.0014 U   |            |
| Chlorobenzene                                 | 1.1   | 1000                           | MG/KG | 0.00061 U                         | 0.00078 U  | 0.0006 U   | 0.00072 U  | 0.00068 U  |            |
| Chloroethane                                  | --  | --                             | MG/KG | 0.0024 U                          | 0.0031 U   | 0.0024 U   | 0.0029 U   | 0.0027 U   |            |
| Chloroform                                    | 0.37  | 700                            | MG/KG | 0.0018 U                          | 0.0024 U   | 0.0018 U   | 0.0021 U   | 0.002 U    |            |
| Chloromethane                                 | --  | --                             | MG/KG | 0.0048 U                          | 0.0063 U   | 0.0048 U   | 0.0057 U   | 0.0055 U   |            |
| Cis-1,2-Dichloroethylene                      | 0.25  | 1000                           | MG/KG | 0.0012 U                          | 0.0016 U   | 0.0012 U   | 0.0014 U   | 0.0014 U   |            |
| Cis-1,3-Dichloropropene                       | --  | --                             | MG/KG | 0.00061 U                         | 0.00078 U  | 0.0006 U   | 0.00072 U  | 0.00068 U  |            |
| Cymene  | --  | --                             | MG/KG | 0.0012 U                          | 0.0016 U   | 0.0012 U   | 0.0014 U   | 0.0014 U   |            |
| Dibromochloromethane                          | --  | --                             | MG/KG | 0.0012 U                          | 0.0016 U   | 0.0012 U   | 0.0014 U   | 0.0014 U   |            |
| Dibromomethane                                | --  | --                             | MG/KG | 0.0024 U                          | 0.0031 U   | 0.0024 U   | 0.0029 U   | 0.0027 U   |            |
| Dichlorodifluoromethane                       | --  | --                             | MG/KG | 0.012 U                           | 0.016 U    | 0.012 U    | 0.014 U    | 0.014 U    |            |
| Dichloroethylenes                             | --  | --                             | MG/KG | 0.0012 U                          | 0.0016 U   | 0.0012 U   | 0.0014 U   | 0.0014 U   |            |
| Diethyl Ether (Ethyl Ether)                   | --  | --                             | MG/KG | 0.0024 U                          | 0.0031 U   | 0.0024 U   | 0.0029 U   | 0.0027 U   |            |
| Ethylbenzene                                  | 1   | 780                            | MG/KG | 0.0012 U                          | 0.0016 U   | 0.0012 U   | 0.0014 U   | 0.0014 U   |            |
| Hexachlorobutadiene                           | --  | --                             | MG/KG | 0.0048 U                          | 0.0063 U   | 0.0048 U   | 0.0057 U   | 0.0055 U   |            |
| Isopropylbenzene (Cumene)                     | --  | --                             | MG/KG | 0.0012 U                          | 0.0016 U   | 0.0012 U   | 0.0014 U   | 0.0014 U   |            |
| m,p-Xylene                                    | --  | --                             | MG/KG | 0.0024 U                          | 0.001 J    | 0.0024 U   | 0.0029 U   | 0.0027 U   |            |
| Methyl Ethyl Ketone (2-Butanone)              | 0.12  | 1000                           | MG/KG | 0.012 U                           | 0.016 U    | 0.012 U    | 0.014 U    | 0.014 U    |            |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | --  | --                             | MG/KG | 0.012 U                           | 0.016 U    | 0.012 U    | 0.014 U    | 0.014 U    |            |
| Methylene Chloride                            | 0.05  | 1000                           | MG/KG | 0.0061 U                          | 0.0078 U   | 0.006 U    | 0.0072 U   | 0.0068 U   |            |
| Naphthalene                                   | 12  | 1000                           | MG/KG | 0.0048 U                          | 0.0016 J   | 0.0048 U   | 0.0057 U   | 0.0055 U   |            |
| N-Butylbenzene                                | 12  | 1000                           | MG/KG | 0.0012 U                          | 0.0016 U   | 0.0012 U   | 0.0014 U   | 0.0014 U   |            |
| N-Propylbenzene                               | 3.9   | 1000                           | MG/KG | 0.0012 U                          | 0.0016 U   | 0.0012 U   | 0.0014 U   | 0.0014 U   |            |
| O-Xylene (1,2-Dimethylbenzene)                | --  | --                             | MG/KG | 0.0012 U                          | 0.00058 J  | 0.0012 U   | 0.0014 U   | 0.0014 U   |            |
| Sec-Butylbenzene                              | 11  | 1000                           | MG/KG | 0.0012 U                          | 0.0016 U   | 0.0012 U   | 0.0014 U   | 0.0014 U   |            |
| Styrene                                       | --  | --                             | MG/KG | 0.0012 U                          | 0.0016 U   | 0.0012 U   | 0.0014 U   | 0.0014 U   |            |
| T-Butylbenzene                                | 5.9   | 1000                           | MG/KG | 0.0024 U                          | 0.0031 U   | 0.0024 U   | 0.0029 U   | 0.0027 U   |            |

**Table 1. Summary of Volatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|  |   |                                      |       | Sample Designation:               |            |            |            |            |
|--|---|--------------------------------------|-------|-----------------------------------|------------|------------|------------|------------|
|  |   |                                      |       | SB012                             | SB013      | SB013      | SB013      | SB014      |
|  |   |                                      |       | Sample Date:                      |            |            |            |            |
|  |   |                                      |       | 06/10/2022                        | 06/10/2022 | 06/10/2022 | 06/10/2022 | 06/13/2022 |
|  |   |                                      |       | Sample Depth (ft bls):            |            |            |            |            |
|  |   |                                      |       | 15 - 17                           | 0 - 2      | 6 - 8      | 10 - 12    | 0 - 2      |
|  |   |                                      |       | Normal Sample or Field Duplicate: |            |            |            |            |
|  |   |                                      |       | N                                 | N          | N          | N          | N          |
| Parameter                                  | NYSDEC Part 375<br>Protection of<br>Groundwater SCO | NYSDEC Part<br>375 Industrial<br>SCO | Units |                                   |            |            |            |            |
| Tert-Butyl Methyl Ether                    | 0.93  | 1000                                 | MG/KG | 0.0024 U                          | 0.0031 U   | 0.0024 U   | 0.0029 U   | 0.0027 U   |
| Tetrachloroethylene (PCE)                  | <b>1.3</b>  | 300                                  | MG/KG | 0.00061 U                         | 0.00078 U  | 0.0006 U   | 0.00072 U  | 0.00068 U  |
| Toluene                                    | 0.7   | 1000                                 | MG/KG | 0.0012 U                          | 0.0016 U   | 0.0012 U   | 0.0014 U   | 0.0014 U   |
| Total, 1,3-Dichloropropene (Cis And Trans) | --  | --                                   | MG/KG | 0.00061 U                         | 0.00078 U  | 0.0006 U   | 0.00072 U  | 0.00068 U  |
| Trans-1,2-Dichloroethene                   | 0.19  | 1000                                 | MG/KG | 0.0018 U                          | 0.0024 U   | 0.0018 U   | 0.0021 U   | 0.002 U    |
| Trans-1,3-Dichloropropene                  | --  | --                                   | MG/KG | 0.0012 U                          | 0.0016 U   | 0.0012 U   | 0.0014 U   | 0.0014 U   |
| Trans-1,4-Dichloro-2-Butene                | --  | --                                   | MG/KG | 0.0061 U                          | 0.0078 U   | 0.006 U    | 0.0072 U   | 0.0068 U   |
| Trichloroethylene (TCE)                    | <b>0.47</b>   | 400                                  | MG/KG | 0.00061 U                         | 0.00078 U  | 0.0006 U   | 0.00072 U  | 0.00068 U  |
| Trichlorofluoromethane                     | --  | --                                   | MG/KG | 0.0048 U                          | 0.0063 U   | 0.0048 U   | 0.0057 U   | 0.0055 U   |
| Vinyl Acetate                              | --  | --                                   | MG/KG | 0.012 U                           | 0.016 U    | 0.012 U    | 0.014 U    | 0.014 U    |
| Vinyl Chloride                             | 0.02  | 27                                   | MG/KG | 0.0012 U                          | 0.0016 U   | 0.0012 U   | 0.0014 U   | 0.0014 U   |
| Xylenes                                    | 1.6   | 1000                                 | MG/KG | 0.0012 U                          | 0.0016 J   | 0.0012 U   | 0.0014 U   | 0.0014 U   |

Table 1. Summary of Volatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York

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|  |   |                                |       | Sample Designation:               |            |            |            |            |
|--|---|--------------------------------|-------|-----------------------------------|------------|------------|------------|------------|
|  |   |                                |       | SB014                             | SB014      | SB015      | SB015      | SB015      |
|  |   |                                |       | 06/13/2022                        | 06/13/2022 | 06/13/2022 | 06/13/2022 | 06/13/2022 |
|  |   |                                |       | 10 - 12                           | 14 - 16    | 0 - 2      | 6 - 8      | 12 - 14    |
|  |   |                                |       | N                                 | N          | N          | N          | N          |
|  |   |                                |       | Normal Sample or Field Duplicate: |            |            |            |            |
| Parameter                              | NYSDEC Part 375 Protection of Groundwater SCO | NYSDEC Part 375 Industrial SCO | Units |                                   |            |            |            |            |
| 1,1,1,2-Tetrachloroethane              | --  | --                             | MG/KG | 0.00088 U                         | 0.00064 U  | 0.00074 U  | 0.00066 U  | 0.00055 U  |
| 1,1,1-Trichloroethane (TCA)            | 0.68  | 1000                           | MG/KG | 0.00088 U                         | 0.00064 U  | 0.00074 U  | 0.00066 U  | 0.00055 U  |
| 1,1,2,2-Tetrachloroethane              | --  | --                             | MG/KG | 0.00088 U                         | 0.00064 U  | 0.00074 U  | 0.00066 U  | 0.00055 U  |
| 1,1,2-Trichloroethane                  | --  | --                             | MG/KG | 0.0018 U                          | 0.0013 U   | 0.0015 U   | 0.0013 U   | 0.0011 U   |
| 1,1-Dichloroethane                     | 0.27  | 480                            | MG/KG | 0.0018 U                          | 0.0013 U   | 0.0015 U   | 0.0013 U   | 0.0011 U   |
| 1,1-Dichloroethene                     | 0.33  | 1000                           | MG/KG | 0.0018 U                          | 0.0013 U   | 0.0015 U   | 0.0013 U   | 0.0011 U   |
| 1,1-Dichloropropene                    | --  | --                             | MG/KG | 0.00088 U                         | 0.00064 U  | 0.00074 U  | 0.00066 U  | 0.00055 U  |
| 1,2,3-Trichlorobenzene                 | --  | --                             | MG/KG | 0.0035 U                          | 0.0026 U   | 0.003 U    | 0.0026 U   | 0.0022 U   |
| 1,2,3-Trichloropropane                 | --  | --                             | MG/KG | 0.0035 U                          | 0.0026 U   | 0.003 U    | 0.0026 U   | 0.0022 U   |
| 1,2,4,5-Tetramethylbenzene             | --  | --                             | MG/KG | 0.0006 J                          | 0.0026 U   | 0.003 U    | 0.0026 U   | 0.0022 U   |
| 1,2,4-Trichlorobenzene                 | --  | --                             | MG/KG | 0.0035 U                          | 0.0026 U   | 0.003 U    | 0.0026 U   | 0.0022 U   |
| 1,2,4-Trimethylbenzene                 | 3.6   | 380                            | MG/KG | 0.00096 J                         | 0.0026 U   | 0.003 U    | 0.0026 U   | 0.0022 U   |
| 1,2-Dibromo-3-Chloropropane            | --  | --                             | MG/KG | 0.0053 U                          | 0.0038 U   | 0.0045 U   | 0.004 U    | 0.0033 U   |
| 1,2-Dibromoethane (Ethylene Dibromide) | --  | --                             | MG/KG | 0.0018 U                          | 0.0013 U   | 0.0015 U   | 0.0013 U   | 0.0011 U   |
| 1,2-Dichlorobenzene                    | 1.1   | 1000                           | MG/KG | 0.0035 U                          | 0.0026 U   | 0.003 U    | 0.0026 U   | 0.0022 U   |
| 1,2-Dichloroethane                     | 0.02  | 60                             | MG/KG | 0.0018 U                          | 0.0013 U   | 0.0015 U   | 0.0013 U   | 0.0011 U   |
| 1,2-Dichloropropane                    | --  | --                             | MG/KG | 0.0018 U                          | 0.0013 U   | 0.0015 U   | 0.0013 U   | 0.0011 U   |
| 1,3,5-Trimethylbenzene (Mesitylene)    | 8.4   | 380                            | MG/KG | 0.00055 J                         | 0.0026 U   | 0.003 U    | 0.0026 U   | 0.0022 U   |
| 1,3-Dichlorobenzene                    | 2.4   | 560                            | MG/KG | 0.0035 U                          | 0.0026 U   | 0.003 U    | 0.0026 U   | 0.0022 U   |
| 1,3-Dichloropropane                    | --  | --                             | MG/KG | 0.0035 U                          | 0.0026 U   | 0.003 U    | 0.0026 U   | 0.0022 U   |
| 1,4-Dichlorobenzene                    | 1.8   | 250                            | MG/KG | 0.0035 U                          | 0.0026 U   | 0.003 U    | 0.0026 U   | 0.0022 U   |
| 1,4-Diethyl Benzene                    | --  | --                             | MG/KG | 0.0035 U                          | 0.0026 U   | 0.003 U    | 0.0026 U   | 0.0022 U   |
| 1,4-Dioxane (P-Dioxane)                | 0.1   | 250                            | MG/KG | 0.14 U                            | 0.1 U      | 0.12 U     | 0.1 U      | 0.089 U    |
| 2,2-Dichloropropane                    | --  | --                             | MG/KG | 0.0035 U                          | 0.0026 U   | 0.003 U    | 0.0026 U   | 0.0022 U   |
| 2-Chlorotoluene                        | --  | --                             | MG/KG | 0.0035 U                          | 0.0026 U   | 0.003 U    | 0.0026 U   | 0.0022 U   |
| 2-Hexanone                             | --  | --                             | MG/KG | 0.018 U                           | 0.013 U    | 0.015 U    | 0.013 U    | 0.011 U    |
| 4-Chlorotoluene                        | --  | --                             | MG/KG | 0.0035 U                          | 0.0026 U   | 0.003 U    | 0.0026 U   | 0.0022 U   |
| 4-Ethyltoluene                         | --  | --                             | MG/KG | 0.0035 U                          | 0.0026 U   | 0.003 U    | 0.0026 U   | 0.0022 U   |
| Acetone                                | <b>0.05</b>                                   | 1000                           | MG/KG | 0.018 U                           | 0.013 U    | 0.015 U    | 0.013 U    | 0.011 U    |
| Acrylonitrile                          | --  | --                             | MG/KG | 0.007 U                           | 0.0051 U   | 0.006 U    | 0.0053 U   | 0.0044 U   |
| Benzene                                | 0.06  | 89                             | MG/KG | 0.00088 U                         | 0.00064 U  | 0.00074 U  | 0.00066 U  | 0.00055 U  |
| Bromobenzene                           | --  | --                             | MG/KG | 0.0035 U                          | 0.0026 U   | 0.003 U    | 0.0026 U   | 0.0022 U   |



**Table 1. Summary of Volatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|   |   |                                |       | Sample Designation:               |            |            |            |            |
|---|---|--------------------------------|-------|-----------------------------------|------------|------------|------------|------------|
|   |   |                                |       | SB014                             | SB014      | SB015      | SB015      | SB015      |
|   |   |                                |       | 06/13/2022                        | 06/13/2022 | 06/13/2022 | 06/13/2022 | 06/13/2022 |
|   |   |                                |       | Sample Date:                      |            |            |            |            |
|   |   |                                |       | 10 - 12                           | 14 - 16    | 0 - 2      | 6 - 8      | 12 - 14    |
|   |   |                                |       | Sample Depth (ft bls):            |            |            |            |            |
|   |   |                                |       | N                                 | N          | N          | N          | N          |
|   |   |                                |       | Normal Sample or Field Duplicate: |            |            |            |            |
| Parameter                                     | NYSDEC Part 375 Protection of Groundwater SCO | NYSDEC Part 375 Industrial SCO | Units |                                   |            |            |            |            |
| Bromochloromethane                            | --  | --                             | MG/KG | 0.0035 U                          | 0.0026 U   | 0.003 U    | 0.0026 U   | 0.0022 U   |
| Bromodichloromethane                          | --  | --                             | MG/KG | 0.00088 U                         | 0.00064 U  | 0.00074 U  | 0.00066 U  | 0.00055 U  |
| Bromoform                                     | --  | --                             | MG/KG | 0.007 U                           | 0.0051 U   | 0.006 U    | 0.0053 U   | 0.0044 U   |
| Bromomethane                                  | --  | --                             | MG/KG | 0.0035 U                          | 0.0026 U   | 0.003 U    | 0.0026 U   | 0.0022 U   |
| Carbon Disulfide                              | --  | --                             | MG/KG | 0.018 U                           | 0.013 U    | 0.015 U    | 0.013 U    | 0.011 U    |
| Carbon Tetrachloride                          | 0.76  | 44                             | MG/KG | 0.0018 U                          | 0.0013 U   | 0.0015 U   | 0.0013 U   | 0.0011 U   |
| Chlorobenzene                                 | 1.1   | 1000                           | MG/KG | 0.00088 U                         | 0.00064 U  | 0.00074 U  | 0.00066 U  | 0.00055 U  |
| Chloroethane                                  | --  | --                             | MG/KG | 0.0035 U                          | 0.0026 U   | 0.003 U    | 0.0026 U   | 0.0022 U   |
| Chloroform                                    | 0.37  | 700                            | MG/KG | 0.0026 U                          | 0.00071 J  | 0.0022 U   | 0.002 U    | 0.0017 U   |
| Chloromethane                                 | --  | --                             | MG/KG | 0.007 U                           | 0.0051 U   | 0.006 U    | 0.0053 U   | 0.0044 U   |
| Cis-1,2-Dichloroethylene                      | 0.25  | 1000                           | MG/KG | 0.0018 U                          | 0.0013 U   | 0.0015 U   | 0.0013 U   | 0.0011 U   |
| Cis-1,3-Dichloropropene                       | --  | --                             | MG/KG | 0.00088 U                         | 0.00064 U  | 0.00074 U  | 0.00066 U  | 0.00055 U  |
| Cymene  | --  | --                             | MG/KG | 0.0018 U                          | 0.0013 U   | 0.0015 U   | 0.0013 U   | 0.0011 U   |
| Dibromochloromethane                          | --  | --                             | MG/KG | 0.0018 U                          | 0.0013 U   | 0.0015 U   | 0.0013 U   | 0.0011 U   |
| Dibromomethane                                | --  | --                             | MG/KG | 0.0035 U                          | 0.0026 U   | 0.003 U    | 0.0026 U   | 0.0022 U   |
| Dichlorodifluoromethane                       | --  | --                             | MG/KG | 0.018 U                           | 0.013 U    | 0.015 U    | 0.013 U    | 0.011 U    |
| Dichloroethylenes                             | --  | --                             | MG/KG | 0.0018 U                          | 0.0013 U   | 0.0015 U   | 0.0013 U   | 0.0011 U   |
| Diethyl Ether (Ethyl Ether)                   | --  | --                             | MG/KG | 0.0035 U                          | 0.0026 U   | 0.003 U    | 0.0026 U   | 0.0022 U   |
| Ethylbenzene                                  | 1   | 780                            | MG/KG | 0.0018 U                          | 0.0013 U   | 0.0015 U   | 0.0013 U   | 0.0011 U   |
| Hexachlorobutadiene                           | --  | --                             | MG/KG | 0.007 U                           | 0.0051 U   | 0.006 U    | 0.0053 U   | 0.0044 U   |
| Isopropylbenzene (Cumene)                     | --  | --                             | MG/KG | 0.0018 U                          | 0.0013 U   | 0.0015 U   | 0.0013 U   | 0.0011 U   |
| m,p-Xylene                                    | --  | --                             | MG/KG | 0.0035 U                          | 0.0026 U   | 0.003 U    | 0.0026 U   | 0.0022 U   |
| Methyl Ethyl Ketone (2-Butanone)              | 0.12  | 1000                           | MG/KG | 0.018 U                           | 0.013 U    | 0.015 U    | 0.013 U    | 0.011 U    |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | --  | --                             | MG/KG | 0.018 U                           | 0.013 U    | 0.015 U    | 0.013 U    | 0.011 U    |
| Methylene Chloride                            | 0.05  | 1000                           | MG/KG | 0.0088 U                          | 0.0064 U   | 0.0074 U   | 0.0066 U   | 0.0055 U   |
| Naphthalene                                   | 12  | 1000                           | MG/KG | 0.38                              | 0.0014 J   | 0.006 U    | 0.093      | 0.0011 J   |
| N-Butylbenzene                                | 12  | 1000                           | MG/KG | 0.0018 U                          | 0.0013 U   | 0.0015 U   | 0.0013 U   | 0.0011 U   |
| N-Propylbenzene                               | 3.9   | 1000                           | MG/KG | 0.0018 U                          | 0.0013 U   | 0.0015 U   | 0.0013 U   | 0.0011 U   |
| O-Xylene (1,2-Dimethylbenzene)                | --  | --                             | MG/KG | 0.00077 J                         | 0.0013 U   | 0.0015 U   | 0.0013 U   | 0.0011 U   |
| Sec-Butylbenzene                              | 11  | 1000                           | MG/KG | 0.0018 U                          | 0.0013 U   | 0.0015 U   | 0.0013 U   | 0.0011 U   |
| Styrene                                       | --  | --                             | MG/KG | 0.0018 U                          | 0.0013 U   | 0.0015 U   | 0.0013 U   | 0.0011 U   |
| T-Butylbenzene                                | 5.9   | 1000                           | MG/KG | 0.0035 U                          | 0.0026 U   | 0.003 U    | 0.0026 U   | 0.0022 U   |

**Table 1. Summary of Volatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|  |   |                                      |       | Sample Designation:               | SB014      | SB014      | SB015      | SB015      | SB015      |
|--|---|--------------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|
|  |   |                                      |       | Sample Date:                      | 06/13/2022 | 06/13/2022 | 06/13/2022 | 06/13/2022 | 06/13/2022 |
|  |   |                                      |       | Sample Depth (ft bls):            | 10 - 12    | 14 - 16    | 0 - 2      | 6 - 8      | 12 - 14    |
|  |   |                                      |       | Normal Sample or Field Duplicate: | N          | N          | N          | N          | N          |
| Parameter                                  | NYSDEC Part 375<br>Protection of<br>Groundwater SCO | NYSDEC Part<br>375 Industrial<br>SCO | Units |                                   |            |            |            |            |            |
| Tert-Butyl Methyl Ether                    | 0.93  | 1000                                 | MG/KG | 0.0035 U                          | 0.0026 U   | 0.003 U    | 0.0026 U   | 0.0022 U   |            |
| Tetrachloroethylene (PCE)                  | <b>1.3</b>  | 300                                  | MG/KG | 0.00088 U                         | 0.00064 U  | 0.00074 U  | 0.00066 U  | 0.00055 U  |            |
| Toluene                                    | 0.7   | 1000                                 | MG/KG | 0.0018 U                          | 0.0013 U   | 0.0015 U   | 0.0013 U   | 0.0011 U   |            |
| Total, 1,3-Dichloropropene (Cis And Trans) | --  | --                                   | MG/KG | 0.00088 U                         | 0.00064 U  | 0.00074 U  | 0.00066 U  | 0.00055 U  |            |
| Trans-1,2-Dichloroethene                   | 0.19  | 1000                                 | MG/KG | 0.0026 U                          | 0.0019 U   | 0.0022 U   | 0.002 U    | 0.0017 U   |            |
| Trans-1,3-Dichloropropene                  | --  | --                                   | MG/KG | 0.0018 U                          | 0.0013 U   | 0.0015 U   | 0.0013 U   | 0.0011 U   |            |
| Trans-1,4-Dichloro-2-Butene                | --  | --                                   | MG/KG | 0.0088 U                          | 0.0064 U   | 0.0074 U   | 0.0066 U   | 0.0055 U   |            |
| Trichloroethylene (TCE)                    | <b>0.47</b>   | 400                                  | MG/KG | 0.00088 U                         | 0.00064 U  | 0.00074 U  | 0.00066 U  | 0.00055 U  |            |
| Trichlorofluoromethane                     | --  | --                                   | MG/KG | 0.007 U                           | 0.0051 U   | 0.006 U    | 0.0053 U   | 0.0044 U   |            |
| Vinyl Acetate                              | --  | --                                   | MG/KG | 0.018 U                           | 0.013 U    | 0.015 U    | 0.013 U    | 0.011 U    |            |
| Vinyl Chloride                             | 0.02  | 27                                   | MG/KG | 0.0018 U                          | 0.0013 U   | 0.0015 U   | 0.0013 U   | 0.0011 U   |            |
| Xylenes                                    | 1.6   | 1000                                 | MG/KG | 0.00077 J                         | 0.0013 U   | 0.0015 U   | 0.0013 U   | 0.0011 U   |            |

Table 1. Summary of Volatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York

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|  |   |                                |       | Sample Designation:               | SB016      | SB016       | SB017      | SB017      | SB018      |
|--|---|--------------------------------|-------|-----------------------------------|------------|-------------|------------|------------|------------|
|  |   |                                |       | Sample Date:                      | 06/10/2022 | 06/10/2022  | 06/10/2022 | 06/10/2022 | 06/09/2022 |
|  |   |                                |       | Sample Depth (ft bls):            | 0 - 2      | 2 - 4       | 0 - 2      | 2 - 4      | 0 - 2      |
|  |   |                                |       | Normal Sample or Field Duplicate: | N          | N           | N          | N          | N          |
| Parameter                              | NYSDEC Part 375 Protection of Groundwater SCO | NYSDEC Part 375 Industrial SCO | Units |                                   |            |             |            |            |            |
| 1,1,1,2-Tetrachloroethane              | --  | --                             | MG/KG | 0.00068 U                         | 0.00074 U  | 0.00071 U   | 0.048 U    | 0.00067 U  |            |
| 1,1,1-Trichloroethane (TCA)            | 0.68  | 1000                           | MG/KG | 0.00068 U                         | 0.00074 U  | 0.00088     | 0.09       | 0.00067 U  |            |
| 1,1,2,2-Tetrachloroethane              | --  | --                             | MG/KG | 0.00068 U                         | 0.00074 U  | 0.00071 U   | 0.048 U    | 0.00067 U  |            |
| 1,1,2-Trichloroethane                  | --  | --                             | MG/KG | 0.0014 U                          | 0.0015 U   | 0.0014 U    | 0.097 U    | 0.0013 U   |            |
| 1,1-Dichloroethane                     | 0.27  | 480                            | MG/KG | 0.0014 U                          | 0.0015 U   | 0.0014 U    | 0.097 U    | 0.0013 U   |            |
| 1,1-Dichloroethene                     | 0.33  | 1000                           | MG/KG | 0.0014 U                          | 0.0015 U   | 0.0014 U    | 0.097 U    | 0.0013 U   |            |
| 1,1-Dichloropropene                    | --  | --                             | MG/KG | 0.00068 U                         | 0.00074 U  | 0.00071 U   | 0.048 U    | 0.00067 U  |            |
| 1,2,3-Trichlorobenzene                 | --  | --                             | MG/KG | 0.0027 U                          | 0.003 U    | 0.0041      | 0.19 U     | 0.0027 U   |            |
| 1,2,3-Trichloropropane                 | --  | --                             | MG/KG | 0.0027 U                          | 0.003 U    | 0.0028 U    | 0.19 U     | 0.0027 U   |            |
| 1,2,4,5-Tetramethylbenzene             | --  | --                             | MG/KG | 0.0027 U                          | 0.003 U    | 0.0052      | 0.19 U     | 0.00068 J  |            |
| 1,2,4-Trichlorobenzene                 | --  | --                             | MG/KG | 0.0027 U                          | 0.003 U    | 0.014       | 0.19 U     | 0.0027 U   |            |
| 1,2,4-Trimethylbenzene                 | 3.6   | 380                            | MG/KG | 0.0027 U                          | 0.003 U    | 0.0029 U    | 0.082 J    | 0.00064 J  |            |
| 1,2-Dibromo-3-Chloropropane            | --  | --                             | MG/KG | 0.004 U                           | 0.0044 U   | 0.0043 U    | 0.29 U     | 0.004 U    |            |
| 1,2-Dibromoethane (Ethylene Dibromide) | --  | --                             | MG/KG | 0.0014 U                          | 0.0015 U   | 0.0014 U    | 0.097 U    | 0.0013 U   |            |
| 1,2-Dichlorobenzene                    | 1.1   | 1000                           | MG/KG | 0.0027 U                          | 0.003 U    | 0.0029 U    | 0.04 J     | 0.0027 U   |            |
| 1,2-Dichloroethane                     | 0.02  | 60                             | MG/KG | 0.0014 U                          | 0.0015 U   | 0.0014 U    | 0.097 U    | 0.0013 U   |            |
| 1,2-Dichloropropane                    | --  | --                             | MG/KG | 0.0014 U                          | 0.0015 U   | 0.0014 U    | 0.097 U    | 0.0013 U   |            |
| 1,3,5-Trimethylbenzene (Mesitylene)    | 8.4   | 380                            | MG/KG | 0.0027 U                          | 0.003 U    | 0.0062      | 0.038 J    | 0.00059 J  |            |
| 1,3-Dichlorobenzene                    | 2.4   | 560                            | MG/KG | 0.0027 U                          | 0.003 U    | 0.0029 U    | 0.19 U     | 0.0027 U   |            |
| 1,3-Dichloropropane                    | --  | --                             | MG/KG | 0.0027 U                          | 0.003 U    | 0.0028 U    | 0.19 U     | 0.0027 U   |            |
| 1,4-Dichlorobenzene                    | 1.8   | 250                            | MG/KG | 0.0027 U                          | 0.003 U    | 0.0029 U    | 0.022 J    | 0.0027 U   |            |
| 1,4-Diethyl Benzene                    | --  | --                             | MG/KG | 0.0027 U                          | 0.003 U    | 0.0014 J    | 0.021 J    | 0.0027 U   |            |
| 1,4-Dioxane (P-Dioxane)                | 0.1   | 250                            | MG/KG | 0.11 U                            | 0.12 U     | 0.11 U      | 7.7 U      | 0.11 U     |            |
| 2,2-Dichloropropane                    | --  | --                             | MG/KG | 0.0027 U                          | 0.003 U    | 0.0028 U    | 0.19 U     | 0.0027 U   |            |
| 2-Chlorotoluene                        | --  | --                             | MG/KG | 0.0027 U                          | 0.003 U    | 0.0029 U    | 0.19 U     | 0.0027 U   |            |
| 2-Hexanone                             | --  | --                             | MG/KG | 0.014 U                           | 0.015 U    | 0.014 U     | 0.97 U     | 0.013 U    |            |
| 4-Chlorotoluene                        | --  | --                             | MG/KG | 0.0027 U                          | 0.003 U    | 0.0057      | 0.19 U     | 0.0027 U   |            |
| 4-Ethyltoluene                         | --  | --                             | MG/KG | 0.0027 U                          | 0.003 U    | 0.0095      | 0.19 U     | 0.0027 U   |            |
| Acetone                                | <b>0.05</b>                                   | 1000                           | MG/KG | 0.039                             | 0.042      | <b>0.12</b> | 0.97 U     | 0.0083 J   |            |
| Acrylonitrile                          | --  | --                             | MG/KG | 0.0054 U                          | 0.0059 U   | 0.0057 U    | 0.39 U     | 0.0054 U   |            |
| Benzene                                | 0.06  | 89                             | MG/KG | 0.00068 U                         | 0.00074 U  | 0.00071 U   | 0.053      | 0.00067 U  |            |
| Bromobenzene                           | --  | --                             | MG/KG | 0.0027 U                          | 0.003 U    | 0.0028 U    | 0.19 U     | 0.0027 U   |            |

**Table 1. Summary of Volatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|   |   |                                |       | Sample Designation:               | SB016      | SB016      | SB017      | SB017      | SB018      |
|---|---|--------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|
|   |   |                                |       | Sample Date:                      | 06/10/2022 | 06/10/2022 | 06/10/2022 | 06/10/2022 | 06/09/2022 |
|   |   |                                |       | Sample Depth (ft bls):            | 0 - 2      | 2 - 4      | 0 - 2      | 2 - 4      | 0 - 2      |
|   |   |                                |       | Normal Sample or Field Duplicate: | N          | N          | N          | N          | N          |
| Parameter                                     | NYSDEC Part 375 Protection of Groundwater SCO | NYSDEC Part 375 Industrial SCO | Units |                                   |            |            |            |            |            |
| Bromochloromethane                            | --  | --                             | MG/KG | 0.0027 U                          | 0.003 U    | 0.0028 U   | 0.19 U     | 0.0027 U   |            |
| Bromodichloromethane                          | --  | --                             | MG/KG | 0.00068 U                         | 0.00074 U  | 0.00071 U  | 0.048 U    | 0.00067 U  |            |
| Bromoform                                     | --  | --                             | MG/KG | 0.0054 U                          | 0.0059 U   | 0.0057 U   | 0.39 U     | 0.0054 U   |            |
| Bromomethane                                  | --  | --                             | MG/KG | 0.0027 U                          | 0.003 U    | 0.0028 U   | 0.19 U     | 0.0027 U   |            |
| Carbon Disulfide                              | --  | --                             | MG/KG | 0.014 U                           | 0.015 U    | 0.014 U    | 0.97 U     | 0.013 U    |            |
| Carbon Tetrachloride                          | 0.76  | 44                             | MG/KG | 0.0014 U                          | 0.0015 U   | 0.0014 U   | 0.097 U    | 0.0013 U   |            |
| Chlorobenzene                                 | 1.1   | 1000                           | MG/KG | 0.00068 U                         | 0.00074 U  | 0.00072 U  | 0.048 U    | 0.00067 U  |            |
| Chloroethane                                  | --  | --                             | MG/KG | 0.0027 U                          | 0.003 U    | 0.0028 U   | 0.19 U     | 0.0027 U   |            |
| Chloroform                                    | 0.37  | 700                            | MG/KG | 0.002 U                           | 0.0022 U   | 0.0021 U   | 0.02 J     | 0.002 U    |            |
| Chloromethane                                 | --  | --                             | MG/KG | 0.0054 U                          | 0.0059 U   | 0.0057 U   | 0.39 U     | 0.0054 U   |            |
| Cis-1,2-Dichloroethylene                      | 0.25  | 1000                           | MG/KG | 0.0014 U                          | 0.0015 U   | 0.0014 U   | 0.097 U    | 0.0013 U   |            |
| Cis-1,3-Dichloropropene                       | --  | --                             | MG/KG | 0.00068 U                         | 0.00074 U  | 0.00071 U  | 0.048 U    | 0.00067 U  |            |
| Cymene  | --  | --                             | MG/KG | 0.0014 U                          | 0.0015 U   | 0.0014 U   | 0.097 U    | 0.00016 J  |            |
| Dibromochloromethane                          | --  | --                             | MG/KG | 0.0014 U                          | 0.0015 U   | 0.0014 U   | 0.097 U    | 0.0013 U   |            |
| Dibromomethane                                | --  | --                             | MG/KG | 0.0027 U                          | 0.003 U    | 0.0028 U   | 0.19 U     | 0.0027 U   |            |
| Dichlorodifluoromethane                       | --  | --                             | MG/KG | 0.014 U                           | 0.015 U    | 0.014 U    | 0.97 U     | 0.013 U    |            |
| Dichloroethylenes                             | --  | --                             | MG/KG | 0.0014 U                          | 0.0015 U   | 0.0014 U   | 0.097 U    | 0.0013 U   |            |
| Diethyl Ether (Ethyl Ether)                   | --  | --                             | MG/KG | 0.0027 U                          | 0.003 U    | 0.0028 U   | 0.19 U     | 0.0027 U   |            |
| Ethylbenzene                                  | 1   | 780                            | MG/KG | 0.0014 U                          | 0.0015 U   | 0.0014 U   | 0.023 J    | 0.0013 U   |            |
| Hexachlorobutadiene                           | --  | --                             | MG/KG | 0.0054 U                          | 0.0059 U   | 0.0057 U   | 0.39 U     | 0.0054 U   |            |
| Isopropylbenzene (Cumene)                     | --  | --                             | MG/KG | 0.0014 U                          | 0.0015 U   | 0.0014 U   | 0.017 J    | 0.0013 U   |            |
| m,p-Xylene                                    | --  | --                             | MG/KG | 0.0027 U                          | 0.003 U    | 0.0028 U   | 0.16 J     | 0.0027 U   |            |
| Methyl Ethyl Ketone (2-Butanone)              | 0.12  | 1000                           | MG/KG | 0.014 U                           | 0.015 U    | 0.0084 J   | 0.97 U     | 0.013 U    |            |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | --  | --                             | MG/KG | 0.014 U                           | 0.015 U    | 0.014 U    | 0.97 U     | 0.013 U    |            |
| Methylene Chloride                            | 0.05  | 1000                           | MG/KG | 0.0068 U                          | 0.0074 U   | 0.0071 U   | 0.48 U     | 0.0067 U   |            |
| Naphthalene                                   | 12  | 1000                           | MG/KG | 0.0054 U                          | 0.0059 U   | 0.031      | 0.16 J     | 0.0054 U   |            |
| N-Butylbenzene                                | 12  | 1000                           | MG/KG | 0.0014 U                          | 0.0015 U   | 0.0026     | 0.097 U    | 0.0013 U   |            |
| N-Propylbenzene                               | 3.9   | 1000                           | MG/KG | 0.0014 U                          | 0.0015 U   | 0.0014 U   | 0.022 J    | 0.0013 U   |            |
| O-Xylene (1,2-Dimethylbenzene)                | --  | --                             | MG/KG | 0.0014 U                          | 0.0015 U   | 0.0006 J   | 0.11       | 0.0013 U   |            |
| Sec-Butylbenzene                              | 11  | 1000                           | MG/KG | 0.0014 U                          | 0.0015 U   | 0.0014 U   | 0.097 U    | 0.0013 U   |            |
| Styrene                                       | --  | --                             | MG/KG | 0.0014 U                          | 0.0015 U   | 0.0014 U   | 0.097 U    | 0.0013 U   |            |
| T-Butylbenzene                                | 5.9   | 1000                           | MG/KG | 0.0027 U                          | 0.003 U    | 0.00022 J  | 0.19 U     | 0.0027 U   |            |

**Table 1. Summary of Volatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|  |   |                                      |       | Sample Designation:               | SB016      | SB016      | SB017      | SB017      | SB018      |
|--|---|--------------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|
|  |   |                                      |       | Sample Date:                      | 06/10/2022 | 06/10/2022 | 06/10/2022 | 06/10/2022 | 06/09/2022 |
|  |   |                                      |       | Sample Depth (ft bls):            | 0 - 2      | 2 - 4      | 0 - 2      | 2 - 4      | 0 - 2      |
|  |   |                                      |       | Normal Sample or Field Duplicate: | N          | N          | N          | N          | N          |
| Parameter                                  | NYSDEC Part 375<br>Protection of<br>Groundwater SCO | NYSDEC Part<br>375 Industrial<br>SCO | Units |                                   |            |            |            |            |            |
| Tert-Butyl Methyl Ether                    | 0.93  | 1000                                 | MG/KG | 0.0027 U                          | 0.003 U    | 0.0028 U   | 0.19 U     | 0.0027 U   |            |
| Tetrachloroethylene (PCE)                  | <b>1.3</b>  | 300                                  | MG/KG | 0.00068 U                         | 0.00074 U  | 0.0065     | <b>8.2</b> | 0.00067 U  |            |
| Toluene                                    | 0.7   | 1000                                 | MG/KG | 0.0014 U                          | 0.0015 U   | 0.0014 U   | 0.16       | 0.0013 U   |            |
| Total, 1,3-Dichloropropene (Cis And Trans) | --  | --                                   | MG/KG | 0.00068 U                         | 0.00074 U  | 0.00071 U  | 0.048 U    | 0.00067 U  |            |
| Trans-1,2-Dichloroethene                   | 0.19  | 1000                                 | MG/KG | 0.002 U                           | 0.0022 U   | 0.0021 U   | 0.14 U     | 0.002 U    |            |
| Trans-1,3-Dichloropropene                  | --  | --                                   | MG/KG | 0.0014 U                          | 0.0015 U   | 0.0014 U   | 0.097 U    | 0.0013 U   |            |
| Trans-1,4-Dichloro-2-Butene                | --  | --                                   | MG/KG | 0.0068 U                          | 0.0074 U   | 0.0071 U   | 0.48 U     | 0.0067 U   |            |
| Trichloroethylene (TCE)                    | <b>0.47</b>   | 400                                  | MG/KG | 0.00068 U                         | 0.00074 U  | 0.034      | <b>21</b>  | 0.00067 U  |            |
| Trichlorofluoromethane                     | --  | --                                   | MG/KG | 0.0054 U                          | 0.0059 U   | 0.0057 U   | 0.39 U     | 0.0054 U   |            |
| Vinyl Acetate                              | --  | --                                   | MG/KG | 0.014 U                           | 0.015 U    | 0.014 U    | 0.97 U     | 0.013 U    |            |
| Vinyl Chloride                             | 0.02  | 27                                   | MG/KG | 0.0014 U                          | 0.0015 U   | 0.0014 U   | 0.097 U    | 0.0013 U   |            |
| Xylenes                                    | 1.6   | 1000                                 | MG/KG | 0.0014 U                          | 0.0015 U   | 0.0006 J   | 0.27 J     | 0.0013 U   |            |

Table 1. Summary of Volatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York

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|  |   |                                |       | Sample Designation:               | SB018      | SB019      | SB019      | SB020      | SB020      |
|--|---|--------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|
|  |   |                                |       | Sample Date:                      | 06/09/2022 | 06/09/2022 | 06/09/2022 | 06/09/2022 | 06/09/2022 |
|  |   |                                |       | Sample Depth (ft bls):            | 2 - 4      | 0 - 2      | 2 - 4      | 0 - 2      | 2 - 4      |
|  |   |                                |       | Normal Sample or Field Duplicate: | N          | N          | N          | N          | N          |
| Parameter                              | NYSDEC Part 375 Protection of Groundwater SCO | NYSDEC Part 375 Industrial SCO | Units |                                   |            |            |            |            |            |
| 1,1,1,2-Tetrachloroethane              | --  | --                             | MG/KG | 0.00065 U                         | 0.0008 U   | 0.00092 U  | 0.0007 U   | 0.00066 U  |            |
| 1,1,1-Trichloroethane (TCA)            | 0.68  | 1000                           | MG/KG | 0.00065 U                         | 0.0008 U   | 0.00092 U  | 0.0007 U   | 0.00066 U  |            |
| 1,1,2,2-Tetrachloroethane              | --  | --                             | MG/KG | 0.00065 U                         | 0.0008 U   | 0.00092 U  | 0.0007 U   | 0.00066 U  |            |
| 1,1,2-Trichloroethane                  | --  | --                             | MG/KG | 0.0013 U                          | 0.0016 U   | 0.0018 U   | 0.0014 U   | 0.0013 U   |            |
| 1,1-Dichloroethane                     | 0.27  | 480                            | MG/KG | 0.0013 U                          | 0.0016 U   | 0.0018 U   | 0.0014 U   | 0.0013 U   |            |
| 1,1-Dichloroethene                     | 0.33  | 1000                           | MG/KG | 0.0013 U                          | 0.0016 U   | 0.0018 U   | 0.0014 U   | 0.0013 U   |            |
| 1,1-Dichloropropene                    | --  | --                             | MG/KG | 0.00065 U                         | 0.0008 U   | 0.00092 U  | 0.0007 U   | 0.00066 U  |            |
| 1,2,3-Trichlorobenzene                 | --  | --                             | MG/KG | 0.0026 U                          | 0.0032 U   | 0.0037 U   | 0.0028 U   | 0.0026 U   |            |
| 1,2,3-Trichloropropane                 | --  | --                             | MG/KG | 0.0026 U                          | 0.0032 U   | 0.0037 U   | 0.0028 U   | 0.0026 U   |            |
| 1,2,4,5-Tetramethylbenzene             | --  | --                             | MG/KG | 0.0026 U                          | 0.0032 U   | 0.0037 U   | 0.0028 U   | 0.0026 U   |            |
| 1,2,4-Trichlorobenzene                 | --  | --                             | MG/KG | 0.0026 U                          | 0.0032 U   | 0.0037 U   | 0.0028 U   | 0.0026 U   |            |
| 1,2,4-Trimethylbenzene                 | 3.6   | 380                            | MG/KG | 0.0026 U                          | 0.0032 U   | 0.0037 U   | 0.0028 U   | 0.0026 U   |            |
| 1,2-Dibromo-3-Chloropropane            | --  | --                             | MG/KG | 0.0039 U                          | 0.0048 U   | 0.0055 U   | 0.0042 U   | 0.0039 U   |            |
| 1,2-Dibromoethane (Ethylene Dibromide) | --  | --                             | MG/KG | 0.0013 U                          | 0.0016 U   | 0.0018 U   | 0.0014 U   | 0.0013 U   |            |
| 1,2-Dichlorobenzene                    | 1.1   | 1000                           | MG/KG | 0.0026 U                          | 0.0032 U   | 0.0037 U   | 0.0028 U   | 0.0026 U   |            |
| 1,2-Dichloroethane                     | 0.02  | 60                             | MG/KG | 0.0013 U                          | 0.0016 U   | 0.0018 U   | 0.0014 U   | 0.0013 U   |            |
| 1,2-Dichloropropane                    | --  | --                             | MG/KG | 0.0013 U                          | 0.0016 U   | 0.0018 U   | 0.0014 U   | 0.0013 U   |            |
| 1,3,5-Trimethylbenzene (Mesitylene)    | 8.4   | 380                            | MG/KG | 0.0026 U                          | 0.0032 U   | 0.0037 U   | 0.0028 U   | 0.0026 U   |            |
| 1,3-Dichlorobenzene                    | 2.4   | 560                            | MG/KG | 0.0026 U                          | 0.0032 U   | 0.0037 U   | 0.0028 U   | 0.0026 U   |            |
| 1,3-Dichloropropane                    | --  | --                             | MG/KG | 0.0026 U                          | 0.0032 U   | 0.0037 U   | 0.0028 U   | 0.0026 U   |            |
| 1,4-Dichlorobenzene                    | 1.8   | 250                            | MG/KG | 0.0026 U                          | 0.0032 U   | 0.0037 U   | 0.0028 U   | 0.0026 U   |            |
| 1,4-Diethyl Benzene                    | --  | --                             | MG/KG | 0.00032 J                         | 0.0032 U   | 0.0037 U   | 0.0028 U   | 0.0026 U   |            |
| 1,4-Dioxane (P-Dioxane)                | 0.1   | 250                            | MG/KG | 0.1 U                             | 0.13 U     | 0.15 U     | 0.11 U     | 0.1 U      |            |
| 2,2-Dichloropropane                    | --  | --                             | MG/KG | 0.0026 U                          | 0.0032 U   | 0.0037 U   | 0.0028 U   | 0.0026 U   |            |
| 2-Chlorotoluene                        | --  | --                             | MG/KG | 0.0026 U                          | 0.0032 U   | 0.0037 U   | 0.0028 U   | 0.0026 U   |            |
| 2-Hexanone                             | --  | --                             | MG/KG | 0.013 U                           | 0.016 U    | 0.018 U    | 0.014 U    | 0.013 U    |            |
| 4-Chlorotoluene                        | --  | --                             | MG/KG | 0.0026 U                          | 0.0032 U   | 0.0037 U   | 0.0028 U   | 0.0026 U   |            |
| 4-Ethyltoluene                         | --  | --                             | MG/KG | 0.0026 U                          | 0.0032 U   | 0.0037 U   | 0.0028 U   | 0.0026 U   |            |
| Acetone                                | <b>0.05</b>                                   | 1000                           | MG/KG | 0.0066 J                          | 0.015 J    | 0.018 U    | 0.014 U    | 0.013 U    |            |
| Acrylonitrile                          | --  | --                             | MG/KG | 0.0052 U                          | 0.0064 U   | 0.0073 U   | 0.0056 U   | 0.0052 U   |            |
| Benzene                                | 0.06  | 89                             | MG/KG | 0.00065 U                         | 0.00076 J  | 0.00092 U  | 0.0007 U   | 0.00066 U  |            |
| Bromobenzene                           | --  | --                             | MG/KG | 0.0026 U                          | 0.0032 U   | 0.0037 U   | 0.0028 U   | 0.0026 U   |            |

**Table 1. Summary of Volatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|   |   |                                |       | Sample Designation:               | SB018      | SB019      | SB019      | SB020      | SB020      |
|---|---|--------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|
|   |   |                                |       | Sample Date:                      | 06/09/2022 | 06/09/2022 | 06/09/2022 | 06/09/2022 | 06/09/2022 |
|   |   |                                |       | Sample Depth (ft bls):            | 2 - 4      | 0 - 2      | 2 - 4      | 0 - 2      | 2 - 4      |
|   |   |                                |       | Normal Sample or Field Duplicate: | N          | N          | N          | N          | N          |
| Parameter                                     | NYSDEC Part 375 Protection of Groundwater SCO | NYSDEC Part 375 Industrial SCO | Units |                                   |            |            |            |            |            |
| Bromochloromethane                            | --  | --                             | MG/KG | 0.0026 U                          | 0.0032 U   | 0.0037 U   | 0.0028 U   | 0.0026 U   |            |
| Bromodichloromethane                          | --  | --                             | MG/KG | 0.00065 U                         | 0.0008 U   | 0.00092 U  | 0.0007 U   | 0.00066 U  |            |
| Bromoform                                     | --  | --                             | MG/KG | 0.0052 U                          | 0.0064 U   | 0.0073 U   | 0.0056 U   | 0.0052 U   |            |
| Bromomethane                                  | --  | --                             | MG/KG | 0.0026 U                          | 0.0032 U   | 0.0037 U   | 0.0028 U   | 0.0026 U   |            |
| Carbon Disulfide                              | --  | --                             | MG/KG | 0.013 U                           | 0.016 U    | 0.018 U    | 0.014 U    | 0.013 U    |            |
| Carbon Tetrachloride                          | 0.76  | 44                             | MG/KG | 0.0013 U                          | 0.0016 U   | 0.0018 U   | 0.0014 U   | 0.0013 U   |            |
| Chlorobenzene                                 | 1.1   | 1000                           | MG/KG | 0.00065 U                         | 0.0008 U   | 0.00092 U  | 0.0007 U   | 0.00066 U  |            |
| Chloroethane                                  | --  | --                             | MG/KG | 0.0026 U                          | 0.0032 U   | 0.0037 U   | 0.0028 U   | 0.0026 U   |            |
| Chloroform                                    | 0.37  | 700                            | MG/KG | 0.002 U                           | 0.0024 U   | 0.0027 U   | 0.0021 U   | 0.002 U    |            |
| Chloromethane                                 | --  | --                             | MG/KG | 0.0052 U                          | 0.0064 U   | 0.0073 U   | 0.0056 U   | 0.0052 U   |            |
| Cis-1,2-Dichloroethylene                      | 0.25  | 1000                           | MG/KG | 0.0013 U                          | 0.0016 U   | 0.0018 U   | 0.0014 U   | 0.0013 U   |            |
| Cis-1,3-Dichloropropene                       | --  | --                             | MG/KG | 0.00065 U                         | 0.0008 U   | 0.00092 U  | 0.0007 U   | 0.00066 U  |            |
| Cymene  | --  | --                             | MG/KG | 0.0013 U                          | 0.0016 U   | 0.0018 U   | 0.0014 U   | 0.0013 U   |            |
| Dibromochloromethane                          | --  | --                             | MG/KG | 0.0013 U                          | 0.0016 U   | 0.0018 U   | 0.0014 U   | 0.0013 U   |            |
| Dibromomethane                                | --  | --                             | MG/KG | 0.0026 U                          | 0.0032 U   | 0.0037 U   | 0.0028 U   | 0.0026 U   |            |
| Dichlorodifluoromethane                       | --  | --                             | MG/KG | 0.013 U                           | 0.016 U    | 0.018 U    | 0.014 U    | 0.013 U    |            |
| Dichloroethylenes                             | --  | --                             | MG/KG | 0.0013 U                          | 0.0016 U   | 0.0018 U   | 0.0014 U   | 0.0013 U   |            |
| Diethyl Ether (Ethyl Ether)                   | --  | --                             | MG/KG | 0.0026 U                          | 0.0032 U   | 0.0037 U   | 0.0028 U   | 0.0026 U   |            |
| Ethylbenzene                                  | 1   | 780                            | MG/KG | 0.0013 U                          | 0.0016 U   | 0.0018 U   | 0.0014 U   | 0.0013 U   |            |
| Hexachlorobutadiene                           | --  | --                             | MG/KG | 0.0052 U                          | 0.0064 U   | 0.0073 U   | 0.0056 U   | 0.0052 U   |            |
| Isopropylbenzene (Cumene)                     | --  | --                             | MG/KG | 0.0013 U                          | 0.0016 U   | 0.0018 U   | 0.0014 U   | 0.0013 U   |            |
| m,p-Xylene                                    | --  | --                             | MG/KG | 0.0026 U                          | 0.0032 U   | 0.0037 U   | 0.0028 U   | 0.0026 U   |            |
| Methyl Ethyl Ketone (2-Butanone)              | 0.12  | 1000                           | MG/KG | 0.013 U                           | 0.016 U    | 0.018 U    | 0.014 U    | 0.013 U    |            |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | --  | --                             | MG/KG | 0.013 U                           | 0.016 U    | 0.018 U    | 0.014 U    | 0.013 U    |            |
| Methylene Chloride                            | 0.05  | 1000                           | MG/KG | 0.0065 U                          | 0.008 U    | 0.0092 U   | 0.007 U    | 0.0066 U   |            |
| Naphthalene                                   | 12  | 1000                           | MG/KG | 0.0052 U                          | 0.0064 U   | 0.0073 U   | 0.0056 U   | 0.0052 U   |            |
| N-Butylbenzene                                | 12  | 1000                           | MG/KG | 0.0013 U                          | 0.0016 U   | 0.0018 U   | 0.0014 U   | 0.0013 U   |            |
| N-Propylbenzene                               | 3.9   | 1000                           | MG/KG | 0.0013 U                          | 0.0016 U   | 0.0018 U   | 0.0014 U   | 0.0013 U   |            |
| O-Xylene (1,2-Dimethylbenzene)                | --  | --                             | MG/KG | 0.0013 U                          | 0.0016 U   | 0.0018 U   | 0.0014 U   | 0.0013 U   |            |
| Sec-Butylbenzene                              | 11  | 1000                           | MG/KG | 0.0013 U                          | 0.0016 U   | 0.0018 U   | 0.0014 U   | 0.0013 U   |            |
| Styrene                                       | --  | --                             | MG/KG | 0.0013 U                          | 0.0016 U   | 0.0018 U   | 0.0014 U   | 0.0013 U   |            |
| T-Butylbenzene                                | 5.9   | 1000                           | MG/KG | 0.0026 U                          | 0.0032 U   | 0.0037 U   | 0.0028 U   | 0.0026 U   |            |

**Table 1. Summary of Volatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|  |   |                                      |       | Sample Designation:               | SB018      | SB019      | SB019      | SB020      | SB020      |
|--|---|--------------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|
|  |   |                                      |       | Sample Date:                      | 06/09/2022 | 06/09/2022 | 06/09/2022 | 06/09/2022 | 06/09/2022 |
|  |   |                                      |       | Sample Depth (ft bls):            | 2 - 4      | 0 - 2      | 2 - 4      | 0 - 2      | 2 - 4      |
|  |   |                                      |       | Normal Sample or Field Duplicate: | N          | N          | N          | N          | N          |
| Parameter                                  | NYSDEC Part 375<br>Protection of<br>Groundwater SCO | NYSDEC Part<br>375 Industrial<br>SCO | Units |                                   |            |            |            |            |            |
| Tert-Butyl Methyl Ether                    | 0.93  | 1000                                 | MG/KG | 0.0026 U                          | 0.0032 U   | 0.0037 U   | 0.0028 U   | 0.0026 U   |            |
| Tetrachloroethylene (PCE)                  | <b>1.3</b>  | 300                                  | MG/KG | 0.00065 U                         | 0.0008 U   | 0.00092 U  | 0.0007 U   | 0.00066 U  |            |
| Toluene                                    | 0.7   | 1000                                 | MG/KG | 0.0013 U                          | 0.0016 U   | 0.0018 U   | 0.0014 U   | 0.0013 U   |            |
| Total, 1,3-Dichloropropene (Cis And Trans) | --  | --                                   | MG/KG | 0.00065 U                         | 0.0008 U   | 0.00092 U  | 0.0007 U   | 0.00066 U  |            |
| Trans-1,2-Dichloroethene                   | 0.19  | 1000                                 | MG/KG | 0.002 U                           | 0.0024 U   | 0.0027 U   | 0.0021 U   | 0.002 U    |            |
| Trans-1,3-Dichloropropene                  | --  | --                                   | MG/KG | 0.0013 U                          | 0.0016 U   | 0.0018 U   | 0.0014 U   | 0.0013 U   |            |
| Trans-1,4-Dichloro-2-Butene                | --  | --                                   | MG/KG | 0.0065 U                          | 0.008 U    | 0.0092 U   | 0.007 U    | 0.0066 U   |            |
| Trichloroethylene (TCE)                    | <b>0.47</b>   | 400                                  | MG/KG | 0.00065 U                         | 0.0008 U   | 0.00092 U  | 0.0007 U   | 0.00066 U  |            |
| Trichlorofluoromethane                     | --  | --                                   | MG/KG | 0.0052 U                          | 0.0064 U   | 0.0073 U   | 0.0056 U   | 0.0052 U   |            |
| Vinyl Acetate                              | --  | --                                   | MG/KG | 0.013 U                           | 0.016 U    | 0.018 U    | 0.014 U    | 0.013 U    |            |
| Vinyl Chloride                             | 0.02  | 27                                   | MG/KG | 0.0013 U                          | 0.0016 U   | 0.0018 U   | 0.0014 U   | 0.0013 U   |            |
| Xylenes                                    | 1.6   | 1000                                 | MG/KG | 0.0013 U                          | 0.0016 U   | 0.0018 U   | 0.0014 U   | 0.0013 U   |            |



Table 1. Summary of Volatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York

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|  |   |                                |       | Sample Designation:               | SB021      | SB021      | SB021      |
|--|---|--------------------------------|-------|-----------------------------------|------------|------------|------------|
|  |   |                                |       | Sample Date:                      | 06/09/2022 | 06/09/2022 | 06/09/2022 |
|  |   |                                |       | Sample Depth (ft bls):            | 0 - 2      | 0 - 2      | 2 - 4      |
|  |   |                                |       | Normal Sample or Field Duplicate: | N          | FD         | N          |
| Parameter                              | NYSDEC Part 375 Protection of Groundwater SCO | NYSDEC Part 375 Industrial SCO | Units |                                   |            |            |            |
| 1,1,1,2-Tetrachloroethane              | --  | --                             | MG/KG | 0.0007 U                          | 0.00065 U  | 0.00063 U  |            |
| 1,1,1-Trichloroethane (TCA)            | 0.68  | 1000                           | MG/KG | 0.0007 U                          | 0.00065 U  | 0.00063 U  |            |
| 1,1,2,2-Tetrachloroethane              | --  | --                             | MG/KG | 0.0007 U                          | 0.00065 U  | 0.00063 U  |            |
| 1,1,2-Trichloroethane                  | --  | --                             | MG/KG | 0.0014 U                          | 0.0013 U   | 0.0013 U   |            |
| 1,1-Dichloroethane                     | 0.27  | 480                            | MG/KG | 0.0014 U                          | 0.0013 U   | 0.0013 U   |            |
| 1,1-Dichloroethene                     | 0.33  | 1000                           | MG/KG | 0.0014 U                          | 0.0013 U   | 0.0013 U   |            |
| 1,1-Dichloropropene                    | --  | --                             | MG/KG | 0.0007 U                          | 0.00065 U  | 0.00063 U  |            |
| 1,2,3-Trichlorobenzene                 | --  | --                             | MG/KG | 0.0028 U                          | 0.0026 U   | 0.0025 U   |            |
| 1,2,3-Trichloropropane                 | --  | --                             | MG/KG | 0.0028 U                          | 0.0026 U   | 0.0025 U   |            |
| 1,2,4,5-Tetramethylbenzene             | --  | --                             | MG/KG | 0.0028 U                          | 0.0026 U   | 0.0025 U   |            |
| 1,2,4-Trichlorobenzene                 | --  | --                             | MG/KG | 0.0028 U                          | 0.0026 U   | 0.0025 U   |            |
| 1,2,4-Trimethylbenzene                 | 3.6   | 380                            | MG/KG | 0.0028 U                          | 0.0026 U   | 0.0025 U   |            |
| 1,2-Dibromo-3-Chloropropane            | --  | --                             | MG/KG | 0.0042 U                          | 0.0039 U   | 0.0038 U   |            |
| 1,2-Dibromoethane (Ethylene Dibromide) | --  | --                             | MG/KG | 0.0014 U                          | 0.0013 U   | 0.0013 U   |            |
| 1,2-Dichlorobenzene                    | 1.1   | 1000                           | MG/KG | 0.0028 U                          | 0.0026 U   | 0.0025 U   |            |
| 1,2-Dichloroethane                     | 0.02  | 60                             | MG/KG | 0.0014 U                          | 0.0013 U   | 0.0013 U   |            |
| 1,2-Dichloropropane                    | --  | --                             | MG/KG | 0.0014 U                          | 0.0013 U   | 0.0013 U   |            |
| 1,3,5-Trimethylbenzene (Mesitylene)    | 8.4   | 380                            | MG/KG | 0.0028 U                          | 0.0026 U   | 0.0025 U   |            |
| 1,3-Dichlorobenzene                    | 2.4   | 560                            | MG/KG | 0.0028 U                          | 0.0026 U   | 0.0025 U   |            |
| 1,3-Dichloropropane                    | --  | --                             | MG/KG | 0.0028 U                          | 0.0026 U   | 0.0025 U   |            |
| 1,4-Dichlorobenzene                    | 1.8   | 250                            | MG/KG | 0.0028 U                          | 0.0026 U   | 0.0025 U   |            |
| 1,4-Diethyl Benzene                    | --  | --                             | MG/KG | 0.0028 U                          | 0.0026 U   | 0.0025 U   |            |
| 1,4-Dioxane (P-Dioxane)                | 0.1   | 250                            | MG/KG | 0.11 U                            | 0.1 U      | 0.1 U      |            |
| 2,2-Dichloropropane                    | --  | --                             | MG/KG | 0.0028 U                          | 0.0026 U   | 0.0025 U   |            |
| 2-Chlorotoluene                        | --  | --                             | MG/KG | 0.0028 U                          | 0.0026 U   | 0.0025 U   |            |
| 2-Hexanone                             | --  | --                             | MG/KG | 0.014 U                           | 0.013 U    | 0.013 U    |            |
| 4-Chlorotoluene                        | --  | --                             | MG/KG | 0.0028 U                          | 0.0026 U   | 0.0025 U   |            |
| 4-Ethyltoluene                         | --  | --                             | MG/KG | 0.0028 U                          | 0.0026 U   | 0.0025 U   |            |
| Acetone                                | <b>0.05</b>                                   | 1000                           | MG/KG | 0.014 U                           | 0.013 U    | 0.013 U    |            |
| Acrylonitrile                          | --  | --                             | MG/KG | 0.0056 U                          | 0.0052 U   | 0.005 U    |            |
| Benzene                                | 0.06  | 89                             | MG/KG | 0.0007 U                          | 0.00065 U  | 0.00063 U  |            |
| Bromobenzene                           | --  | --                             | MG/KG | 0.0028 U                          | 0.0026 U   | 0.0025 U   |            |

**Table 1. Summary of Volatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|   |   |                                |       | Sample Designation:               | SB021      | SB021      | SB021      |
|---|---|--------------------------------|-------|-----------------------------------|------------|------------|------------|
|   |   |                                |       | Sample Date:                      | 06/09/2022 | 06/09/2022 | 06/09/2022 |
|   |   |                                |       | Sample Depth (ft bls):            | 0 - 2      | 0 - 2      | 2 - 4      |
|   |   |                                |       | Normal Sample or Field Duplicate: | N          | FD         | N          |
| Parameter                                     | NYSDEC Part 375 Protection of Groundwater SCO | NYSDEC Part 375 Industrial SCO | Units |                                   |            |            |            |
| Bromochloromethane                            | --  | --                             | MG/KG | 0.0028 U                          | 0.0026 U   | 0.0025 U   |            |
| Bromodichloromethane                          | --  | --                             | MG/KG | 0.0007 U                          | 0.00065 U  | 0.00063 U  |            |
| Bromoform                                     | --  | --                             | MG/KG | 0.0056 U                          | 0.0052 U   | 0.005 U    |            |
| Bromomethane                                  | --  | --                             | MG/KG | 0.0028 U                          | 0.0026 U   | 0.0025 U   |            |
| Carbon Disulfide                              | --  | --                             | MG/KG | 0.014 U                           | 0.013 U    | 0.013 U    |            |
| Carbon Tetrachloride                          | 0.76  | 44                             | MG/KG | 0.0014 U                          | 0.0013 U   | 0.0013 U   |            |
| Chlorobenzene                                 | 1.1   | 1000                           | MG/KG | 0.0007 U                          | 0.00065 U  | 0.00063 U  |            |
| Chloroethane                                  | --  | --                             | MG/KG | 0.0028 U                          | 0.0026 U   | 0.0025 U   |            |
| Chloroform                                    | 0.37  | 700                            | MG/KG | 0.0021 U                          | 0.002 U    | 0.0019 U   |            |
| Chloromethane                                 | --  | --                             | MG/KG | 0.0056 U                          | 0.0052 U   | 0.005 U    |            |
| Cis-1,2-Dichloroethylene                      | 0.25  | 1000                           | MG/KG | 0.0014 U                          | 0.0013 U   | 0.0013 U   |            |
| Cis-1,3-Dichloropropene                       | --  | --                             | MG/KG | 0.0007 U                          | 0.00065 U  | 0.00063 U  |            |
| Cymene  | --  | --                             | MG/KG | 0.0014 U                          | 0.0013 U   | 0.0013 U   |            |
| Dibromochloromethane                          | --  | --                             | MG/KG | 0.0014 U                          | 0.0013 U   | 0.0013 U   |            |
| Dibromomethane                                | --  | --                             | MG/KG | 0.0028 U                          | 0.0026 U   | 0.0025 U   |            |
| Dichlorodifluoromethane                       | --  | --                             | MG/KG | 0.014 U                           | 0.013 U    | 0.013 U    |            |
| Dichloroethylenes                             | --  | --                             | MG/KG | 0.0014 U                          | 0.0013 U   | 0.0013 U   |            |
| Diethyl Ether (Ethyl Ether)                   | --  | --                             | MG/KG | 0.0028 U                          | 0.0026 U   | 0.0025 U   |            |
| Ethylbenzene                                  | 1   | 780                            | MG/KG | 0.0014 U                          | 0.0013 U   | 0.0013 U   |            |
| Hexachlorobutadiene                           | --  | --                             | MG/KG | 0.0056 U                          | 0.0052 U   | 0.005 U    |            |
| Isopropylbenzene (Cumene)                     | --  | --                             | MG/KG | 0.0014 U                          | 0.0013 U   | 0.0013 U   |            |
| m,p-Xylene                                    | --  | --                             | MG/KG | 0.0028 U                          | 0.0026 U   | 0.0025 U   |            |
| Methyl Ethyl Ketone (2-Butanone)              | 0.12  | 1000                           | MG/KG | 0.014 U                           | 0.013 U    | 0.013 U    |            |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | --  | --                             | MG/KG | 0.014 U                           | 0.013 U    | 0.013 U    |            |
| Methylene Chloride                            | 0.05  | 1000                           | MG/KG | 0.007 U                           | 0.0065 U   | 0.0063 U   |            |
| Naphthalene                                   | 12  | 1000                           | MG/KG | 0.0056 U                          | 0.0052 U   | 0.005 U    |            |
| N-Butylbenzene                                | 12  | 1000                           | MG/KG | 0.0014 U                          | 0.0013 U   | 0.0013 U   |            |
| N-Propylbenzene                               | 3.9   | 1000                           | MG/KG | 0.0014 U                          | 0.0013 U   | 0.0013 U   |            |
| O-Xylene (1,2-Dimethylbenzene)                | --  | --                             | MG/KG | 0.0014 U                          | 0.0013 U   | 0.0013 U   |            |
| Sec-Butylbenzene                              | 11  | 1000                           | MG/KG | 0.0014 U                          | 0.0013 U   | 0.0013 U   |            |
| Styrene                                       | --  | --                             | MG/KG | 0.0014 U                          | 0.0013 U   | 0.0013 U   |            |
| T-Butylbenzene                                | 5.9   | 1000                           | MG/KG | 0.0028 U                          | 0.0026 U   | 0.0025 U   |            |

**Table 1. Summary of Volatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|  |   |                                      |       | Sample Designation:               | SB021      | SB021      | SB021      |
|--|---|--------------------------------------|-------|-----------------------------------|------------|------------|------------|
|  |   |                                      |       | Sample Date:                      | 06/09/2022 | 06/09/2022 | 06/09/2022 |
|  |   |                                      |       | Sample Depth (ft bls):            | 0 - 2      | 0 - 2      | 2 - 4      |
|  |   |                                      |       | Normal Sample or Field Duplicate: | N          | FD         | N          |
| Parameter                                  | NYSDEC Part 375<br>Protection of<br>Groundwater SCO | NYSDEC Part<br>375 Industrial<br>SCO | Units |                                   |            |            |            |
| Tert-Butyl Methyl Ether                    | 0.93  | 1000                                 | MG/KG | 0.0028 U                          | 0.0026 U   | 0.0025 U   |            |
| Tetrachloroethylene (PCE)                  | <b>1.3</b>  | 300                                  | MG/KG | 0.0007 U                          | 0.00065 U  | 0.00063 U  |            |
| Toluene                                    | 0.7   | 1000                                 | MG/KG | 0.0014 U                          | 0.0013 U   | 0.0013 U   |            |
| Total, 1,3-Dichloropropene (Cis And Trans) | --  | --                                   | MG/KG | 0.0007 U                          | 0.00065 U  | 0.00063 U  |            |
| Trans-1,2-Dichloroethene                   | 0.19  | 1000                                 | MG/KG | 0.0021 U                          | 0.002 U    | 0.0019 U   |            |
| Trans-1,3-Dichloropropene                  | --  | --                                   | MG/KG | 0.0014 U                          | 0.0013 U   | 0.0013 U   |            |
| Trans-1,4-Dichloro-2-Butene                | --  | --                                   | MG/KG | 0.007 U                           | 0.0065 U   | 0.0063 U   |            |
| Trichloroethylene (TCE)                    | <b>0.47</b>   | 400                                  | MG/KG | 0.00045 J                         | 0.00032 J  | 0.00063 U  |            |
| Trichlorofluoromethane                     | --  | --                                   | MG/KG | 0.0056 U                          | 0.0052 U   | 0.005 U    |            |
| Vinyl Acetate                              | --  | --                                   | MG/KG | 0.014 U                           | 0.013 U    | 0.013 U    |            |
| Vinyl Chloride                             | 0.02  | 27                                   | MG/KG | 0.0014 U                          | 0.0013 U   | 0.0013 U   |            |
| Xylenes                                    | 1.6   | 1000                                 | MG/KG | 0.0014 U                          | 0.0013 U   | 0.0013 U   |            |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|                             |   |                                      |       | Sample Designation:               | SB011      | SB011      | SB012      | SB012      | SB012      |
|-----------------------------|---|--------------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|
|                             |   |                                      |       | Sample Date:                      | 05/05/2022 | 05/05/2022 | 06/10/2022 | 06/10/2022 | 06/10/2022 |
|                             |   |                                      |       | Sample Depth (ft bls):            | 0 - 2      | 15 - 17    | 0 - 2      | 12 - 14    | 12 - 14    |
|                             |   |                                      |       | Normal Sample or Field Duplicate: | N          | N          | N          | N          | FD         |
| Parameter                   | NYSDEC Part 375<br>Protection of<br>Groundwater SCO | NYSDEC Part<br>375 Industrial<br>SCO | Units |                                   |            |            |            |            |            |
| 1,2,4,5-Tetrachlorobenzene  | --  | --                                   | MG/KG | 0.18 U                            | 0.22 U     | 0.17 U     | 0.18 U     | 0.18 U     |            |
| 1,2,4-Trichlorobenzene      | --  | --                                   | MG/KG | 0.18 U                            | 0.22 U     | 0.17 U     | 0.18 U     | 0.18 U     |            |
| 1,2-Dichlorobenzene         | 1.1   | 1000                                 | MG/KG | 0.18 U                            | 0.22 U     | 0.17 U     | 0.18 U     | 0.18 U     |            |
| 1,3-Dichlorobenzene         | 2.4   | 560                                  | MG/KG | 0.18 U                            | 0.22 U     | 0.17 U     | 0.18 U     | 0.18 U     |            |
| 1,4-Dichlorobenzene         | 1.8   | 250                                  | MG/KG | 0.18 U                            | 0.22 U     | 0.17 U     | 0.18 U     | 0.18 U     |            |
| 1,4-Dioxane (P-Dioxane)     | 0.1   | 250                                  | MG/KG | 0.028 U                           | 0.033 U    | 0.026 U    | 0.027 U    | 0.028 U    |            |
| 2,4,5-Trichlorophenol       | --  | --                                   | MG/KG | 0.18 U                            | 0.22 U     | 0.17 U     | 0.18 U     | 0.18 U     |            |
| 2,4,6-Trichlorophenol       | --  | --                                   | MG/KG | 0.11 U                            | 0.13 U     | 0.1 U      | 0.11 U     | 0.11 U     |            |
| 2,4-Dichlorophenol          | --  | --                                   | MG/KG | 0.16 U                            | 0.2 U      | 0.16 U     | 0.16 U     | 0.16 U     |            |
| 2,4-Dimethylphenol          | --  | --                                   | MG/KG | 0.18 U                            | 0.22 U     | 0.17 U     | 0.18 U     | 0.18 U     |            |
| 2,4-Dinitrophenol           | --  | --                                   | MG/KG | 0.88 U                            | 1 U        | 0.83 U     | 0.86 U     | 0.88 U     |            |
| 2,4-Dinitrotoluene          | --  | --                                   | MG/KG | 0.18 U                            | 0.22 U     | 0.17 U     | 0.18 U     | 0.18 U     |            |
| 2,6-Dinitrotoluene          | --  | --                                   | MG/KG | 0.18 U                            | 0.22 U     | 0.17 U     | 0.18 U     | 0.18 U     |            |
| 2-Chloronaphthalene         | --  | --                                   | MG/KG | 0.18 U                            | 0.22 U     | 0.17 U     | 0.18 U     | 0.18 U     |            |
| 2-Chlorophenol              | --  | --                                   | MG/KG | 0.18 U                            | 0.22 U     | 0.17 U     | 0.18 U     | 0.18 U     |            |
| 2-Methylnaphthalene         | --  | --                                   | MG/KG | 0.22 U                            | 0.26 U     | 0.21 U     | 0.12 J     | 0.054 J    |            |
| 2-Methylphenol (O-Cresol)   | 0.33  | 1000                                 | MG/KG | 0.18 U                            | 0.22 U     | 0.17 U     | 0.18 U     | 0.18 U     |            |
| 2-Nitroaniline              | --  | --                                   | MG/KG | 0.18 U                            | 0.22 U     | 0.17 U     | 0.18 U     | 0.18 U     |            |
| 2-Nitrophenol               | --  | --                                   | MG/KG | 0.4 U                             | 0.48 U     | 0.37 U     | 0.39 U     | 0.4 U      |            |
| 3,3'-Dichlorobenzidine      | --  | --                                   | MG/KG | 0.18 U                            | 0.22 U     | 0.17 U     | 0.18 U     | 0.18 U     |            |
| 3-Nitroaniline              | --  | --                                   | MG/KG | 0.18 U                            | 0.22 U     | 0.17 U     | 0.18 U     | 0.18 U     |            |
| 4,6-Dinitro-2-Methylphenol  | --  | --                                   | MG/KG | 0.48 U                            | 0.57 U     | 0.45 U     | 0.46 U     | 0.48 U     |            |
| 4-Bromophenyl Phenyl Ether  | --  | --                                   | MG/KG | 0.18 U                            | 0.22 U     | 0.17 U     | 0.18 U     | 0.18 U     |            |
| 4-Chloro-3-Methylphenol     | --  | --                                   | MG/KG | 0.18 U                            | 0.22 U     | 0.17 U     | 0.18 U     | 0.18 U     |            |
| 4-Chloroaniline             | --  | --                                   | MG/KG | 0.18 U                            | 0.22 U     | 0.17 U     | 0.18 U     | 0.18 U     |            |
| 4-Chlorophenyl Phenyl Ether | --  | --                                   | MG/KG | 0.18 U                            | 0.22 U     | 0.17 U     | 0.18 U     | 0.18 U     |            |
| 4-Nitroaniline              | --  | --                                   | MG/KG | 0.18 U                            | 0.22 U     | 0.17 U     | 0.18 U     | 0.18 U     |            |
| 4-Nitrophenol               | --  | --                                   | MG/KG | 0.26 U                            | 0.31 U     | 0.24 U     | 0.25 U     | 0.26 U     |            |
| Acenaphthene                | 98  | 1000                                 | MG/KG | 0.15 U                            | 0.18 U     | 0.14 U     | 0.18       | 0.032 J    |            |
| Acenaphthylene              | 107   | 1000                                 | MG/KG | 0.15 U                            | 0.18 U     | 0.14 U     | 0.14 U     | 0.035 J    |            |
| Acetophenone                | --  | --                                   | MG/KG | 0.18 U                            | 0.22 U     | 0.17 U     | 0.18 U     | 0.18 U     |            |
| Anthracene                  | 1000  | 1000                                 | MG/KG | 0.048 J                           | 0.13 U     | 0.1 U      | 0.34       | 0.12       |            |

Table 2. Summary of Semivolatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York

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|  |   |                                |       | Sample Designation:               | SB011      | SB011      | SB012      | SB012      | SB012      |
|--|---|--------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|
|  |   |                                |       | Sample Date:                      | 05/05/2022 | 05/05/2022 | 06/10/2022 | 06/10/2022 | 06/10/2022 |
|  |   |                                |       | Sample Depth (ft bls):            | 0 - 2      | 15 - 17    | 0 - 2      | 12 - 14    | 12 - 14    |
|  |   |                                |       | Normal Sample or Field Duplicate: | N          | N          | N          | N          | FD         |
| Parameter                                      | NYSDEC Part 375 Protection of Groundwater SCO | NYSDEC Part 375 Industrial SCO | Units |                                   |            |            |            |            |            |
| Benzo(A)Anthracene                             | 1   | 11                             | MG/KG | 0.42                              | 0.13 U     | 0.16       | 0.49       | 0.46       |            |
| Benzo(A)Pyrene                                 | 22  | 1.1                            | MG/KG | 0.38                              | 0.18 U     | 0.16       | 0.33       | 0.37       |            |
| Benzo(B)Fluoranthene                           | 1.7   | 11                             | MG/KG | 0.49                              | 0.13 U     | 0.26       | 0.35       | 0.38       |            |
| Benzo(G,H,I)Perylene                           | 1000  | 1000                           | MG/KG | 0.24                              | 0.18 U     | 0.14       | 0.18       | 0.22       |            |
| Benzo(K)Fluoranthene                           | 1.7   | 110                            | MG/KG | 0.16                              | 0.13 U     | 0.08 J     | 0.098 J    | 0.13       |            |
| Benzoic Acid                                   | --  | --                             | MG/KG | 0.6 U                             | 0.71 U     | 0.56 U     | 0.58 U     | 0.6 U      |            |
| Benzyl Alcohol                                 | --  | --                             | MG/KG | 0.18 U                            | 0.22 U     | 0.17 U     | 0.18 U     | 0.18 U     |            |
| Benzyl Butyl Phthalate                         | --  | --                             | MG/KG | 0.18 U                            | 0.22 U     | 0.17 U     | 0.18 U     | 0.18 U     |            |
| Biphenyl (Diphenyl)                            | --  | --                             | MG/KG | 0.42 U                            | 0.5 U      | 0.39 U     | 0.41 U     | 0.42 U     |            |
| Bis(2-Chloroethoxy) Methane                    | --  | --                             | MG/KG | 0.2 U                             | 0.24 U     | 0.19 U     | 0.19 U     | 0.2 U      |            |
| Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether) | --  | --                             | MG/KG | 0.16 U                            | 0.2 U      | 0.16 U     | 0.16 U     | 0.16 U     |            |
| Bis(2-Chloroisopropyl) Ether                   | --  | --                             | MG/KG | 0.22 U                            | 0.26 U     | 0.21 U     | 0.22 U     | 0.22 U     |            |
| Bis(2-Ethylhexyl) Phthalate                    | --  | --                             | MG/KG | 0.18 U                            | 0.22 U     | 0.17 U     | 0.18 U     | 0.18 U     |            |
| Carbazole                                      | --  | --                             | MG/KG | 0.02 J                            | 0.22 U     | 0.026 J    | 0.025 J    | 0.18 U     |            |
| Chrysene                                       | 1   | 110                            | MG/KG | 0.41                              | 0.13 U     | 0.21       | 0.46       | 0.41       |            |
| Dibenz(A,H)Anthracene                          | 1000  | 1.1                            | MG/KG | 0.05 J                            | 0.13 U     | 0.031 J    | 0.046 J    | 0.052 J    |            |
| Dibenzofuran                                   | 210   | 1000                           | MG/KG | 0.18 U                            | 0.22 U     | 0.17 U     | 0.032 J    | 0.18 U     |            |
| Diethyl Phthalate                              | --  | --                             | MG/KG | 0.18 U                            | 0.22 U     | 0.17 U     | 0.18 U     | 0.18 U     |            |
| Dimethyl Phthalate                             | --  | --                             | MG/KG | 0.18 U                            | 0.22 U     | 0.17 U     | 0.18 U     | 0.18 U     |            |
| Di-N-Butyl Phthalate                           | --  | --                             | MG/KG | 0.18 U                            | 0.22 U     | 0.17 U     | 0.18 U     | 0.18 U     |            |
| Di-N-Octylphthalate                            | --  | --                             | MG/KG | 0.18 U                            | 0.22 U     | 0.17 U     | 0.18 U     | 0.18 U     |            |
| Fluoranthene                                   | 1000  | 1000                           | MG/KG | 0.59                              | 0.039 J    | 0.33       | 0.67       | 0.75       |            |
| Fluorene                                       | 386   | 1000                           | MG/KG | 0.18 U                            | 0.22 U     | 0.17 U     | 0.2        | 0.04 J     |            |
| Hexachlorobenzene                              | 3.2   | 12                             | MG/KG | 0.11 U                            | 0.13 U     | 0.1 U      | 0.11 U     | 0.11 U     |            |
| Hexachlorobutadiene                            | --  | --                             | MG/KG | 0.18 U                            | 0.22 U     | 0.17 U     | 0.18 U     | 0.18 U     |            |
| Hexachlorocyclopentadiene                      | --  | --                             | MG/KG | 0.52 U                            | 0.63 U     | 0.49 U     | 0.51 U     | 0.53 U     |            |
| Hexachloroethane                               | --  | --                             | MG/KG | 0.15 U                            | 0.18 U     | 0.14 U     | 0.14 U     | 0.15 U     |            |
| Indeno(1,2,3-C,D)Pyrene                        | 8.2   | 11                             | MG/KG | 0.26                              | 0.18 U     | 0.13 J     | 0.18       | 0.23       |            |
| Isophorone                                     | --  | --                             | MG/KG | 0.16 U                            | 0.2 U      | 0.16 U     | 0.16 U     | 0.16 U     |            |
| Naphthalene                                    | 12  | 1000                           | MG/KG | 0.18 U                            | 0.22 U     | 0.17 U     | 0.058 J    | 0.029 J    |            |
| Nitrobenzene                                   | --  | --                             | MG/KG | 0.16 U                            | 0.2 U      | 0.16 U     | 0.16 U     | 0.16 U     |            |
| N-Nitrosodi-N-Propylamine                      | --  | --                             | MG/KG | 0.18 U                            | 0.22 U     | 0.17 U     | 0.18 U     | 0.18 U     |            |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|                        |   |                                      |       | Sample Designation:               | SB011      | SB011      | SB012      | SB012      | SB012      |
|------------------------|---|--------------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|
|                        |   |                                      |       | Sample Date:                      | 05/05/2022 | 05/05/2022 | 06/10/2022 | 06/10/2022 | 06/10/2022 |
|                        |   |                                      |       | Sample Depth (ft bls):            | 0 - 2      | 15 - 17    | 0 - 2      | 12 - 14    | 12 - 14    |
|                        |   |                                      |       | Normal Sample or Field Duplicate: | N          | N          | N          | N          | FD         |
| Parameter              | NYSDEC Part 375<br>Protection of<br>Groundwater SCO | NYSDEC Part<br>375 Industrial<br>SCO | Units |                                   |            |            |            |            |            |
| N-Nitrosodiphenylamine | --  | --                                   | MG/KG | 0.15 U                            | 0.18 U     | 0.14 U     | 0.14 U     | 0.15 U     |            |
| Pentachlorophenol      | 0.8   | 55                                   | MG/KG | 0.15 U                            | 0.18 U     | 0.14 U     | 0.14 U     | 0.15 U     |            |
| Phenanthrene           | 1000  | 1000                                 | MG/KG | 0.17                              | 0.036 J    | 0.11       | 1.4        | 0.42       |            |
| Phenol                 | 0.33  | 1000                                 | MG/KG | 0.18 U                            | 0.22 U     | 0.17 U     | 0.18 U     | 0.18 U     |            |
| Pyrene                 | 1000  | 1000                                 | MG/KG | 0.57                              | 0.033 J    | 0.28       | 0.96       | 0.85       |            |

Table 2. Summary of Semivolatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York

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|                             |   |                                |       | Sample Designation:               | SB012      | SB013      | SB013      | SB013      | SB014      |
|-----------------------------|---|--------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|
|                             |   |                                |       | Sample Date:                      | 06/10/2022 | 06/10/2022 | 06/10/2022 | 06/10/2022 | 06/13/2022 |
|                             |   |                                |       | Sample Depth (ft bls):            | 15 - 17    | 0 - 2      | 6 - 8      | 10 - 12    | 0 - 2      |
|                             |   |                                |       | Normal Sample or Field Duplicate: | N          | N          | N          | N          | N          |
| Parameter                   | NYSDEC Part 375 Protection of Groundwater SCO | NYSDEC Part 375 Industrial SCO | Units |                                   |            |            |            |            |            |
| 1,2,4,5-Tetrachlorobenzene  | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 1,2,4-Trichlorobenzene      | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 1,2-Dichlorobenzene         | 1.1   | 1000                           | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 1,3-Dichlorobenzene         | 2.4   | 560                            | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 1,4-Dichlorobenzene         | 1.8   | 250                            | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 1,4-Dioxane (P-Dioxane)     | 0.1   | 250                            | MG/KG | 0.026 U                           | 0.027 U    | 0.027 U    | 0.026 U    | 0.026 U    | 0.026 U    |
| 2,4,5-Trichlorophenol       | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 2,4,6-Trichlorophenol       | --  | --                             | MG/KG | 0.1 U                             | 0.11 U     | 0.11 U     | 0.1 U      | 0.1 U      | 0.1 U      |
| 2,4-Dichlorophenol          | --  | --                             | MG/KG | 0.15 U                            | 0.16 U     | 0.16 U     | 0.16 U     | 0.16 U     | 0.15 U     |
| 2,4-Dimethylphenol          | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 2,4-Dinitrophenol           | --  | --                             | MG/KG | 0.82 U                            | 0.86 U     | 0.86 U     | 0.84 U     | 0.82 U     | 0.82 U     |
| 2,4-Dinitrotoluene          | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 2,6-Dinitrotoluene          | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 2-Chloronaphthalene         | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 2-Chlorophenol              | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 2-Methylnaphthalene         | --  | --                             | MG/KG | 0.2 U                             | 0.037 J    | 0.032 J    | 0.041 J    | 0.041 J    | 0.2 U      |
| 2-Methylphenol (O-Cresol)   | 0.33  | 1000                           | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 2-Nitroaniline              | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 2-Nitrophenol               | --  | --                             | MG/KG | 0.37 U                            | 0.39 U     | 0.39 U     | 0.38 U     | 0.38 U     | 0.37 U     |
| 3,3'-Dichlorobenzidine      | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 3-Nitroaniline              | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 4,6-Dinitro-2-Methylphenol  | --  | --                             | MG/KG | 0.44 U                            | 0.46 U     | 0.47 U     | 0.46 U     | 0.46 U     | 0.44 U     |
| 4-Bromophenyl Phenyl Ether  | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 4-Chloro-3-Methylphenol     | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 4-Chloroaniline             | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 4-Chlorophenyl Phenyl Ether | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 4-Nitroaniline              | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 4-Nitrophenol               | --  | --                             | MG/KG | 0.24 U                            | 0.25 U     | 0.25 U     | 0.25 U     | 0.25 U     | 0.24 U     |
| Acenaphthene                | 98  | 1000                           | MG/KG | 0.14 U                            | 0.055 J    | 0.057 J    | 0.14 U     | 0.14 U     | 0.022 J    |
| Acenaphthylene              | 107   | 1000                           | MG/KG | 0.14 U                            | 0.037 J    | 0.06 J     | 0.14 U     | 0.14 U     | 0.035 J    |
| Acetophenone                | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| Anthracene                  | 1000  | 1000                           | MG/KG | 0.1 U                             | 0.16       | 0.12       | 0.1 U      | 0.1 U      | 0.081 J    |

Table 2. Summary of Semivolatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York

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|  |   |                                |       | Sample Designation:               | SB012      | SB013      | SB013      | SB013      | SB014      |
|--|---|--------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|
|  |   |                                |       | Sample Date:                      | 06/10/2022 | 06/10/2022 | 06/10/2022 | 06/10/2022 | 06/13/2022 |
|  |   |                                |       | Sample Depth (ft bls):            | 15 - 17    | 0 - 2      | 6 - 8      | 10 - 12    | 0 - 2      |
|  |   |                                |       | Normal Sample or Field Duplicate: | N          | N          | N          | N          | N          |
| Parameter                                      | NYSDEC Part 375 Protection of Groundwater SCO | NYSDEC Part 375 Industrial SCO | Units |                                   |            |            |            |            |            |
| Benzo(A)Anthracene                             | 1   | 11                             | MG/KG | 0.1 U                             | 0.58       | 0.44       | 0.15       | 0.34       |            |
| Benzo(A)Pyrene                                 | 22  | 1.1                            | MG/KG | 0.14 U                            | 0.64       | 0.47       | 0.14       | 0.37       |            |
| Benzo(B)Fluoranthene                           | 1.7   | 11                             | MG/KG | 0.1 U                             | 0.67       | 0.54       | 0.17       | 0.46       |            |
| Benzo(G,H,I)Perylene                           | 1000  | 1000                           | MG/KG | 0.14 U                            | 0.36       | 0.33       | 0.098 J    | 0.26       |            |
| Benzo(K)Fluoranthene                           | 1.7   | 110                            | MG/KG | 0.1 U                             | 0.28       | 0.17       | 0.047 J    | 0.16       |            |
| Benzoic Acid                                   | --  | --                             | MG/KG | 0.55 U                            | 0.58 U     | 0.58 U     | 0.57 U     | 0.55 U     |            |
| Benzyl Alcohol                                 | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |            |
| Benzyl Butyl Phthalate                         | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |            |
| Biphenyl (Diphenyl)                            | --  | --                             | MG/KG | 0.39 U                            | 0.41 U     | 0.41 U     | 0.4 U      | 0.39 U     |            |
| Bis(2-Chloroethoxy) Methane                    | --  | --                             | MG/KG | 0.18 U                            | 0.19 U     | 0.19 U     | 0.19 U     | 0.18 U     |            |
| Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether) | --  | --                             | MG/KG | 0.15 U                            | 0.16 U     | 0.16 U     | 0.16 U     | 0.15 U     |            |
| Bis(2-Chloroisopropyl) Ether                   | --  | --                             | MG/KG | 0.2 U                             | 0.21 U     | 0.22 U     | 0.21 U     | 0.2 U      |            |
| Bis(2-Ethylhexyl) Phthalate                    | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.12 J     |            |
| Carbazole                                      | --  | --                             | MG/KG | 0.17 U                            | 0.061 J    | 0.058 J    | 0.18 U     | 0.042 J    |            |
| Chrysene                                       | 1   | 110                            | MG/KG | 0.1 U                             | 0.6        | 0.44       | 0.15       | 0.35       |            |
| Dibenz(A,H)Anthracene                          | 1000  | 1.1                            | MG/KG | 0.1 U                             | 0.082 J    | 0.067 J    | 0.022 J    | 0.059 J    |            |
| Dibenzofuran                                   | 210   | 1000                           | MG/KG | 0.17 U                            | 0.035 J    | 0.042 J    | 0.18 U     | 0.017 J    |            |
| Diethyl Phthalate                              | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |            |
| Dimethyl Phthalate                             | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |            |
| Di-N-Butyl Phthalate                           | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |            |
| Di-N-Octylphthalate                            | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |            |
| Fluoranthene                                   | 1000  | 1000                           | MG/KG | 0.1 U                             | 1          | 0.88       | 0.22       | 0.66       |            |
| Fluorene                                       | 386   | 1000                           | MG/KG | 0.17 U                            | 0.046 J    | 0.059 J    | 0.18 U     | 0.027 J    |            |
| Hexachlorobenzene                              | 3.2   | 12                             | MG/KG | 0.1 U                             | 0.11 U     | 0.11 U     | 0.1 U      | 0.1 U      |            |
| Hexachlorobutadiene                            | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |            |
| Hexachlorocyclopentadiene                      | --  | --                             | MG/KG | 0.49 U                            | 0.51 U     | 0.51 U     | 0.5 U      | 0.49 U     |            |
| Hexachloroethane                               | --  | --                             | MG/KG | 0.14 U                            | 0.14 U     | 0.14 U     | 0.14 U     | 0.14 U     |            |
| Indeno(1,2,3-C,D)Pyrene                        | 8.2   | 11                             | MG/KG | 0.14 U                            | 0.39       | 0.35       | 0.094 J    | 0.29       |            |
| Isophorone                                     | --  | --                             | MG/KG | 0.15 U                            | 0.16 U     | 0.16 U     | 0.16 U     | 0.15 U     |            |
| Naphthalene                                    | 12  | 1000                           | MG/KG | 0.17 U                            | 0.067 J    | 0.052 J    | 0.03 J     | 0.035 J    |            |
| Nitrobenzene                                   | --  | --                             | MG/KG | 0.15 U                            | 0.16 U     | 0.16 U     | 0.16 U     | 0.15 U     |            |
| N-Nitrosodi-N-Propylamine                      | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |            |



**Table 2. Summary of Semivolatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|                        |   |                                      |       | Sample Designation:               | SB012      | SB013      | SB013      | SB013      | SB014      |
|------------------------|---|--------------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|
|                        |   |                                      |       | Sample Date:                      | 06/10/2022 | 06/10/2022 | 06/10/2022 | 06/10/2022 | 06/13/2022 |
|                        |   |                                      |       | Sample Depth (ft bls):            | 15 - 17    | 0 - 2      | 6 - 8      | 10 - 12    | 0 - 2      |
|                        |   |                                      |       | Normal Sample or Field Duplicate: | N          | N          | N          | N          | N          |
| Parameter              | NYSDEC Part 375<br>Protection of<br>Groundwater SCO | NYSDEC Part<br>375 Industrial<br>SCO | Units |                                   |            |            |            |            |            |
| N-Nitrosodiphenylamine | --  | --                                   | MG/KG | 0.14 U                            | 0.14 U     | 0.14 U     | 0.14 U     | 0.14 U     | 0.14 U     |
| Pentachlorophenol      | 0.8   | 55                                   | MG/KG | 0.14 U                            | 0.14 U     | 0.14 U     | 0.14 U     | 0.14 U     | 0.14 U     |
| Phenanthrene           | 1000  | 1000                                 | MG/KG | 0.1 U                             | 0.68       | 0.66       | 0.14       | 0.38       |            |
| Phenol                 | 0.33  | 1000                                 | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |            |
| Pyrene                 | 1000  | 1000                                 | MG/KG | 0.1 U                             | 0.94       | 0.8        | 0.24       | 0.67       |            |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|                             |   |                                |       | Sample Designation:               | SB014      | SB014      | SB015      | SB015      | SB015      |
|-----------------------------|---|--------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|
|                             |   |                                |       | Sample Date:                      | 06/13/2022 | 06/13/2022 | 06/13/2022 | 06/13/2022 | 06/13/2022 |
|                             |   |                                |       | Sample Depth (ft bls):            | 10 - 12    | 14 - 16    | 0 - 2      | 6 - 8      | 12 - 14    |
|                             |   |                                |       | Normal Sample or Field Duplicate: | N          | N          | N          | N          | N          |
| Parameter                   | NYSDEC Part 375 Protection of Groundwater SCO | NYSDEC Part 375 Industrial SCO | Units |                                   |            |            |            |            |            |
| 1,2,4,5-Tetrachlorobenzene  | --  | --                             | MG/KG | 5.2 U                             | 0.18 U     | 0.89 U     | 0.18 U     | 0.2 U      |            |
| 1,2,4-Trichlorobenzene      | --  | --                             | MG/KG | 5.2 U                             | 0.18 U     | 0.89 U     | 0.18 U     | 0.2 U      |            |
| 1,2-Dichlorobenzene         | 1.1   | 1000                           | MG/KG | 5.2 U                             | 0.18 U     | 0.89 U     | 0.18 U     | 0.2 U      |            |
| 1,3-Dichlorobenzene         | 2.4   | 560                            | MG/KG | 5.2 U                             | 0.18 U     | 0.89 U     | 0.18 U     | 0.2 U      |            |
| 1,4-Dichlorobenzene         | 1.8   | 250                            | MG/KG | 5.2 U                             | 0.18 U     | 0.89 U     | 0.18 U     | 0.2 U      |            |
| 1,4-Dioxane (P-Dioxane)     | 0.1   | 250                            | MG/KG | 0.77 U                            | 0.028 U    | 0.13 U     | 0.026 U    | 0.03 U     |            |
| 2,4,5-Trichlorophenol       | --  | --                             | MG/KG | 5.2 U                             | 0.18 U     | 0.89 U     | 0.18 U     | 0.2 U      |            |
| 2,4,6-Trichlorophenol       | --  | --                             | MG/KG | 3.1 U                             | 0.11 U     | 0.54 U     | 0.11 U     | 0.12 U     |            |
| 2,4-Dichlorophenol          | --  | --                             | MG/KG | 4.6 U                             | 0.16 U     | 0.8 U      | 0.16 U     | 0.18 U     |            |
| 2,4-Dimethylphenol          | --  | --                             | MG/KG | 5.2 U                             | 0.18 U     | 0.89 U     | 0.18 U     | 0.2 U      |            |
| 2,4-Dinitrophenol           | --  | --                             | MG/KG | 25 U                              | 0.88 U     | 4.3 U      | 0.85 U     | 0.95 U     |            |
| 2,4-Dinitrotoluene          | --  | --                             | MG/KG | 5.2 U                             | 0.18 U     | 0.89 U     | 0.18 U     | 0.2 U      |            |
| 2,6-Dinitrotoluene          | --  | --                             | MG/KG | 5.2 U                             | 0.18 U     | 0.89 U     | 0.18 U     | 0.2 U      |            |
| 2-Chloronaphthalene         | --  | --                             | MG/KG | 5.2 U                             | 0.18 U     | 0.89 U     | 0.18 U     | 0.2 U      |            |
| 2-Chlorophenol              | --  | --                             | MG/KG | 5.2 U                             | 0.18 U     | 0.89 U     | 0.18 U     | 0.2 U      |            |
| 2-Methylnaphthalene         | --  | --                             | MG/KG | 2.3 J                             | 0.023 J    | 1.1 U      | 0.21 U     | 0.24 U     |            |
| 2-Methylphenol (O-Cresol)   | 0.33  | 1000                           | MG/KG | 5.2 U                             | 0.18 U     | 0.89 U     | 0.18 U     | 0.2 U      |            |
| 2-Nitroaniline              | --  | --                             | MG/KG | 5.2 U                             | 0.18 U     | 0.89 U     | 0.18 U     | 0.2 U      |            |
| 2-Nitrophenol               | --  | --                             | MG/KG | 11 U                              | 0.4 U      | 1.9 U      | 0.38 U     | 0.43 U     |            |
| 3,3'-Dichlorobenzidine      | --  | --                             | MG/KG | 5.2 U                             | 0.18 U     | 0.89 U     | 0.18 U     | 0.2 U      |            |
| 3-Nitroaniline              | --  | --                             | MG/KG | 5.2 U                             | 0.18 U     | 0.89 U     | 0.18 U     | 0.2 U      |            |
| 4,6-Dinitro-2-Methylphenol  | --  | --                             | MG/KG | 13 U                              | 0.48 U     | 2.3 U      | 0.46 U     | 0.51 U     |            |
| 4-Bromophenyl Phenyl Ether  | --  | --                             | MG/KG | 5.2 U                             | 0.18 U     | 0.89 U     | 0.18 U     | 0.2 U      |            |
| 4-Chloro-3-Methylphenol     | --  | --                             | MG/KG | 5.2 U                             | 0.18 U     | 0.89 U     | 0.18 U     | 0.2 U      |            |
| 4-Chloroaniline             | --  | --                             | MG/KG | 5.2 U                             | 0.18 U     | 0.89 U     | 0.18 U     | 0.2 U      |            |
| 4-Chlorophenyl Phenyl Ether | --  | --                             | MG/KG | 5.2 U                             | 0.18 U     | 0.89 U     | 0.18 U     | 0.2 U      |            |
| 4-Nitroaniline              | --  | --                             | MG/KG | 5.2 U                             | 0.18 U     | 0.89 U     | 0.18 U     | 0.2 U      |            |
| 4-Nitrophenol               | --  | --                             | MG/KG | 7.2 U                             | 0.26 U     | 1.2 U      | 0.25 U     | 0.28 U     |            |
| Acenaphthene                | 98  | 1000                           | MG/KG | 5.8                               | 0.15 U     | 0.72 U     | 0.14 U     | 0.16 U     |            |
| Acenaphthylene              | 107   | 1000                           | MG/KG | 4.5                               | 0.15 U     | 0.72 U     | 0.028 J    | 0.16 U     |            |
| Acetophenone                | --  | --                             | MG/KG | 5.2 U                             | 0.18 U     | 0.89 U     | 0.18 U     | 0.2 U      |            |
| Anthracene                  | 1000  | 1000                           | MG/KG | 19                                | 0.043 J    | 0.54 U     | 0.11 U     | 0.12 U     |            |

Table 2. Summary of Semivolatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York

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|  |   |                                |       | Sample Designation:               | SB014      | SB014      | SB015      | SB015      | SB015      |
|--|---|--------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|
|  |   |                                |       | Sample Date:                      | 06/13/2022 | 06/13/2022 | 06/13/2022 | 06/13/2022 | 06/13/2022 |
|  |   |                                |       | Sample Depth (ft bls):            | 10 - 12    | 14 - 16    | 0 - 2      | 6 - 8      | 12 - 14    |
|  |   |                                |       | Normal Sample or Field Duplicate: | N          | N          | N          | N          | N          |
| Parameter                                      | NYSDEC Part 375 Protection of Groundwater SCO | NYSDEC Part 375 Industrial SCO | Units |                                   |            |            |            |            |            |
| Benzo(A)Anthracene                             | 1   | 11                             | MG/KG | 37                                | 0.32       | 0.23 J     | 0.12       | 0.12 U     |            |
| Benzo(A)Pyrene                                 | 22  | 1.1                            | MG/KG | 37                                | 0.34       | 0.24 J     | 0.11 J     | 0.16 U     |            |
| Benzo(B)Fluoranthene                           | 1.7   | 11                             | MG/KG | 34                                | 0.4        | 0.46 J     | 0.12       | 0.12 U     |            |
| Benzo(G,H,I)Perylene                           | 1000  | 1000                           | MG/KG | 17                                | 0.22       | 0.24 J     | 0.067 J    | 0.16 U     |            |
| Benzo(K)Fluoranthene                           | 1.7   | 110                            | MG/KG | 11                                | 0.14       | 0.54 U     | 0.051 J    | 0.12 U     |            |
| Benzoic Acid                                   | --  | --                             | MG/KG | 17 U                              | 0.6 U      | 2.9 U      | 0.57 U     | 0.64 U     |            |
| Benzyl Alcohol                                 | --  | --                             | MG/KG | 5.2 U                             | 0.18 U     | 0.89 U     | 0.18 U     | 0.2 U      |            |
| Benzyl Butyl Phthalate                         | --  | --                             | MG/KG | 5.2 U                             | 0.18 U     | 0.89 U     | 0.18 U     | 0.2 U      |            |
| Biphenyl (Diphenyl)                            | --  | --                             | MG/KG | 12 U                              | 0.42 U     | 2 U        | 0.4 U      | 0.45 U     |            |
| Bis(2-Chloroethoxy) Methane                    | --  | --                             | MG/KG | 5.6 U                             | 0.2 U      | 0.96 U     | 0.19 U     | 0.21 U     |            |
| Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether) | --  | --                             | MG/KG | 4.6 U                             | 0.16 U     | 0.8 U      | 0.16 U     | 0.18 U     |            |
| Bis(2-Chloroisopropyl) Ether                   | --  | --                             | MG/KG | 6.2 U                             | 0.22 U     | 1.1 U      | 0.21 U     | 0.24 U     |            |
| Bis(2-Ethylhexyl) Phthalate                    | --  | --                             | MG/KG | 5.2 U                             | 0.18 U     | 0.89 U     | 0.18 U     | 0.2 U      |            |
| Carbazole                                      | --  | --                             | MG/KG | 2.5 J                             | 0.027 J    | 0.89 U     | 0.18 U     | 0.2 U      |            |
| Chrysene                                       | 1   | 110                            | MG/KG | 40                                | 0.33       | 0.33 J     | 0.12       | 0.12 U     |            |
| Dibenz(A,H)Anthracene                          | 1000  | 1.1                            | MG/KG | 3.8                               | 0.056 J    | 0.54 U     | 0.11 U     | 0.12 U     |            |
| Dibenzofuran                                   | 210   | 1000                           | MG/KG | 3.9 J                             | 0.18 U     | 0.89 U     | 0.18 U     | 0.2 U      |            |
| Diethyl Phthalate                              | --  | --                             | MG/KG | 5.2 U                             | 0.18 U     | 0.89 U     | 0.18 U     | 0.2 U      |            |
| Dimethyl Phthalate                             | --  | --                             | MG/KG | 5.2 U                             | 0.18 U     | 0.89 U     | 0.18 U     | 0.2 U      |            |
| Di-N-Butyl Phthalate                           | --  | --                             | MG/KG | 5.2 U                             | 0.18 U     | 0.89 U     | 0.18 U     | 0.2 U      |            |
| Di-N-Octylphthalate                            | --  | --                             | MG/KG | 5.2 U                             | 0.18 U     | 0.89 U     | 0.18 U     | 0.2 U      |            |
| Fluoranthene                                   | 1000  | 1000                           | MG/KG | 82                                | 0.43       | 0.41 J     | 0.18       | 0.12 U     |            |
| Fluorene                                       | 386   | 1000                           | MG/KG | 11                                | 0.18 U     | 0.89 U     | 0.18 U     | 0.2 U      |            |
| Hexachlorobenzene                              | 3.2   | 12                             | MG/KG | 3.1 U                             | 0.11 U     | 0.54 U     | 0.11 U     | 0.12 U     |            |
| Hexachlorobutadiene                            | --  | --                             | MG/KG | 5.2 U                             | 0.18 U     | 0.89 U     | 0.18 U     | 0.2 U      |            |
| Hexachlorocyclopentadiene                      | --  | --                             | MG/KG | 15 U                              | 0.53 U     | 2.6 U      | 0.51 U     | 0.56 U     |            |
| Hexachloroethane                               | --  | --                             | MG/KG | 4.1 U                             | 0.15 U     | 0.72 U     | 0.14 U     | 0.16 U     |            |
| Indeno(1,2,3-C,D)Pyrene                        | 8.2   | 11                             | MG/KG | 17                                | 0.24       | 0.24 J     | 0.074 J    | 0.16 U     |            |
| Isophorone                                     | --  | --                             | MG/KG | 4.6 U                             | 0.16 U     | 0.8 U      | 0.16 U     | 0.18 U     |            |
| Naphthalene                                    | 12  | 1000                           | MG/KG | 3 J                               | 0.034 J    | 0.89 U     | 0.18 U     | 0.2 U      |            |
| Nitrobenzene                                   | --  | --                             | MG/KG | 4.6 U                             | 0.16 U     | 0.8 U      | 0.16 U     | 0.18 U     |            |
| N-Nitrosodi-N-Propylamine                      | --  | --                             | MG/KG | 5.2 U                             | 0.18 U     | 0.89 U     | 0.18 U     | 0.2 U      |            |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|                        |   |                                      |       | Sample Designation:               | SB014      | SB014      | SB015      | SB015      | SB015      |
|------------------------|---|--------------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|
|                        |   |                                      |       | Sample Date:                      | 06/13/2022 | 06/13/2022 | 06/13/2022 | 06/13/2022 | 06/13/2022 |
|                        |   |                                      |       | Sample Depth (ft bls):            | 10 - 12    | 14 - 16    | 0 - 2      | 6 - 8      | 12 - 14    |
|                        |   |                                      |       | Normal Sample or Field Duplicate: | N          | N          | N          | N          | N          |
| Parameter              | NYSDEC Part 375<br>Protection of<br>Groundwater SCO | NYSDEC Part<br>375 Industrial<br>SCO | Units |                                   |            |            |            |            |            |
| N-Nitrosodiphenylamine | --  | --                                   | MG/KG | 4.1 U                             | 0.15 U     | 0.72 U     | 0.14 U     | 0.16 U     |            |
| Pentachlorophenol      | 0.8   | 55                                   | MG/KG | 4.1 U                             | 0.15 U     | 0.72 U     | 0.14 U     | 0.16 U     |            |
| Phenanthrene           | 1000  | 1000                                 | MG/KG | 95                                | 0.2        | 0.14 J     | 0.12       | 0.12 U     |            |
| Phenol                 | 0.33  | 1000                                 | MG/KG | 5.2 U                             | 0.18 U     | 0.89 U     | 0.18 U     | 0.2 U      |            |
| Pyrene                 | 1000  | 1000                                 | MG/KG | 100                               | 0.37       | 0.47 J     | 0.15       | 0.12 U     |            |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|                             |   |                                      |       | Sample Designation:               | SB016      | SB016      | SB017      | SB017      | SB018      |
|-----------------------------|---|--------------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|
|                             |   |                                      |       | Sample Date:                      | 06/10/2022 | 06/10/2022 | 06/10/2022 | 06/10/2022 | 06/09/2022 |
|                             |   |                                      |       | Sample Depth (ft bls):            | 0 - 2      | 2 - 4      | 0 - 2      | 2 - 4      | 0 - 2      |
|                             |   |                                      |       | Normal Sample or Field Duplicate: | N          | N          | N          | N          | N          |
| Parameter                   | NYSDEC Part 375<br>Protection of<br>Groundwater SCO | NYSDEC Part<br>375 Industrial<br>SCO | Units |                                   |            |            |            |            |            |
| 1,2,4,5-Tetrachlorobenzene  | --  | --                                   | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 1,2,4-Trichlorobenzene      | --  | --                                   | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 1,2-Dichlorobenzene         | 1.1   | 1000                                 | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 1,3-Dichlorobenzene         | 2.4   | 560                                  | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 1,4-Dichlorobenzene         | 1.8   | 250                                  | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 1,4-Dioxane (P-Dioxane)     | 0.1   | 250                                  | MG/KG | 0.026 U                           | 0.027 U    | 0.027 U    | 0.026 U    | 0.026 U    | 0.026 U    |
| 2,4,5-Trichlorophenol       | --  | --                                   | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 2,4,6-Trichlorophenol       | --  | --                                   | MG/KG | 0.1 U                             | 0.11 U     | 0.11 U     | 0.11 U     | 0.11 U     | 0.1 U      |
| 2,4-Dichlorophenol          | --  | --                                   | MG/KG | 0.16 U                            | 0.16 U     | 0.16 U     | 0.16 U     | 0.16 U     | 0.16 U     |
| 2,4-Dimethylphenol          | --  | --                                   | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 2,4-Dinitrophenol           | --  | --                                   | MG/KG | 0.84 U                            | 0.87 U     | 0.85 U     | 0.85 U     | 0.85 U     | 0.83 U     |
| 2,4-Dinitrotoluene          | --  | --                                   | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 2,6-Dinitrotoluene          | --  | --                                   | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 2-Chloronaphthalene         | --  | --                                   | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 2-Chlorophenol              | --  | --                                   | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 2-Methylnaphthalene         | --  | --                                   | MG/KG | 0.21 U                            | 0.035 J    | 0.049 J    | 0.15 J     | 0.026 J    |            |
| 2-Methylphenol (O-Cresol)   | 0.33  | 1000                                 | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 2-Nitroaniline              | --  | --                                   | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 2-Nitrophenol               | --  | --                                   | MG/KG | 0.38 U                            | 0.39 U     | 0.38 U     | 0.38 U     | 0.38 U     | 0.37 U     |
| 3,3'-Dichlorobenzidine      | --  | --                                   | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 3-Nitroaniline              | --  | --                                   | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 4,6-Dinitro-2-Methylphenol  | --  | --                                   | MG/KG | 0.45 U                            | 0.47 U     | 0.46 U     | 0.46 U     | 0.46 U     | 0.45 U     |
| 4-Bromophenyl Phenyl Ether  | --  | --                                   | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 4-Chloro-3-Methylphenol     | --  | --                                   | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 4-Chloroaniline             | --  | --                                   | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 4-Chlorophenyl Phenyl Ether | --  | --                                   | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 4-Nitroaniline              | --  | --                                   | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |
| 4-Nitrophenol               | --  | --                                   | MG/KG | 0.24 U                            | 0.25 U     | 0.25 U     | 0.25 U     | 0.25 U     | 0.24 U     |
| Acenaphthene                | 98  | 1000                                 | MG/KG | 0.14 U                            | 0.14 U     | 0.14 U     | 0.14 U     | 0.14 U     | 0.14 U     |
| Acenaphthylene              | 107   | 1000                                 | MG/KG | 0.14 U                            | 0.14 U     | 0.14 U     | 0.052 J    | 0.052 J    | 0.14 U     |
| Acetophenone                | --  | --                                   | MG/KG | 0.17 U                            | 0.023 J    | 0.18 U     | 0.047 J    | 0.047 J    | 0.17 U     |
| Anthracene                  | 1000  | 1000                                 | MG/KG | 0.1 U                             | 0.035 J    | 0.11 U     | 0.038 J    | 0.038 J    | 0.1 U      |

Table 2. Summary of Semivolatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York

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|  |   |                                |       | Sample Designation:               | SB016      | SB016      | SB017      | SB017      | SB018      |
|--|---|--------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|
|  |   |                                |       | Sample Date:                      | 06/10/2022 | 06/10/2022 | 06/10/2022 | 06/10/2022 | 06/09/2022 |
|  |   |                                |       | Sample Depth (ft bls):            | 0 - 2      | 2 - 4      | 0 - 2      | 2 - 4      | 0 - 2      |
|  |   |                                |       | Normal Sample or Field Duplicate: | N          | N          | N          | N          | N          |
| Parameter                                      | NYSDEC Part 375 Protection of Groundwater SCO | NYSDEC Part 375 Industrial SCO | Units |                                   |            |            |            |            |            |
| Benzo(A)Anthracene                             | 1   | 11                             | MG/KG | 0.13                              | 0.18       | 0.033 J    | 0.28       | 0.036 J    |            |
| Benzo(A)Pyrene                                 | 22  | 1.1                            | MG/KG | 0.11 J                            | 0.15       | 0.14 U     | 0.22       | 0.14 U     |            |
| Benzo(B)Fluoranthene                           | 1.7   | 11                             | MG/KG | 0.14                              | 0.19       | 0.045 J    | 0.36       | 0.043 J    |            |
| Benzo(G,H,I)Perylene                           | 1000  | 1000                           | MG/KG | 0.073 J                           | 0.12 J     | 0.023 J    | 0.14       | 0.023 J    |            |
| Benzo(K)Fluoranthene                           | 1.7   | 110                            | MG/KG | 0.037 J                           | 0.053 J    | 0.11 U     | 0.12       | 0.1 U      |            |
| Benzoic Acid                                   | --  | --                             | MG/KG | 0.57 U                            | 0.59 U     | 0.58 U     | 0.57 U     | 0.56 U     |            |
| Benzyl Alcohol                                 | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |            |
| Benzyl Butyl Phthalate                         | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |            |
| Biphenyl (Diphenyl)                            | --  | --                             | MG/KG | 0.4 U                             | 0.41 U     | 0.4 U      | 0.024 J    | 0.39 U     |            |
| Bis(2-Chloroethoxy) Methane                    | --  | --                             | MG/KG | 0.19 U                            | 0.2 U      | 0.19 U     | 0.19 U     | 0.19 U     |            |
| Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether) | --  | --                             | MG/KG | 0.16 U                            | 0.16 U     | 0.16 U     | 0.16 U     | 0.16 U     |            |
| Bis(2-Chloroisopropyl) Ether                   | --  | --                             | MG/KG | 0.21 U                            | 0.22 U     | 0.21 U     | 0.21 U     | 0.21 U     |            |
| Bis(2-Ethylhexyl) Phthalate                    | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.18       |            |
| Carbazole                                      | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.017 J    | 0.17 U     |            |
| Chrysene                                       | 1   | 110                            | MG/KG | 0.11                              | 0.17       | 0.059 J    | 0.34       | 0.038 J    |            |
| Dibenz(A,H)Anthracene                          | 1000  | 1.1                            | MG/KG | 0.02 J                            | 0.03 J     | 0.11 U     | 0.05 J     | 0.1 U      |            |
| Dibenzofuran                                   | 210   | 1000                           | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.039 J    | 0.17 U     |            |
| Diethyl Phthalate                              | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |            |
| Dimethyl Phthalate                             | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |            |
| Di-N-Butyl Phthalate                           | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |            |
| Di-N-Octylphthalate                            | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |            |
| Fluoranthene                                   | 1000  | 1000                           | MG/KG | 0.19                              | 0.27       | 0.04 J     | 0.25       | 0.056 J    |            |
| Fluorene                                       | 386   | 1000                           | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.017 J    | 0.17 U     |            |
| Hexachlorobenzene                              | 3.2   | 12                             | MG/KG | 0.1 U                             | 0.11 U     | 0.11 U     | 0.11 U     | 0.1 U      |            |
| Hexachlorobutadiene                            | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |            |
| Hexachlorocyclopentadiene                      | --  | --                             | MG/KG | 0.5 U                             | 0.52 U     | 0.51 U     | 0.51 U     | 0.49 U     |            |
| Hexachloroethane                               | --  | --                             | MG/KG | 0.14 U                            | 0.14 U     | 0.14 U     | 0.14 U     | 0.14 U     |            |
| Indeno(1,2,3-C,D)Pyrene                        | 8.2   | 11                             | MG/KG | 0.077 J                           | 0.11 J     | 0.14 U     | 0.16       | 0.14 U     |            |
| Isophorone                                     | --  | --                             | MG/KG | 0.16 U                            | 0.16 U     | 0.16 U     | 0.16 U     | 0.16 U     |            |
| Naphthalene                                    | 12  | 1000                           | MG/KG | 0.17 U                            | 0.038 J    | 0.024 J    | 0.14 J     | 0.17 U     |            |
| Nitrobenzene                                   | --  | --                             | MG/KG | 0.16 U                            | 0.16 U     | 0.16 U     | 0.16 U     | 0.16 U     |            |
| N-Nitrosodi-N-Propylamine                      | --  | --                             | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     |            |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York**

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|                        |   |                                      |       | Sample Designation:               | SB016      | SB016      | SB017      | SB017      | SB018      |
|------------------------|---|--------------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|
|                        |   |                                      |       | Sample Date:                      | 06/10/2022 | 06/10/2022 | 06/10/2022 | 06/10/2022 | 06/09/2022 |
|                        |   |                                      |       | Sample Depth (ft bls):            | 0 - 2      | 2 - 4      | 0 - 2      | 2 - 4      | 0 - 2      |
|                        |   |                                      |       | Normal Sample or Field Duplicate: | N          | N          | N          | N          | N          |
| Parameter              | NYSDEC Part 375<br>Protection of<br>Groundwater SCO | NYSDEC Part<br>375 Industrial<br>SCO | Units |                                   |            |            |            |            |            |
| N-Nitrosodiphenylamine | --  | --                                   | MG/KG | 0.14 U                            | 0.14 U     | 0.14 U     | 0.14 U     | 0.14 U     | 0.14 U     |
| Pentachlorophenol      | 0.8   | 55                                   | MG/KG | 0.14 U                            | 0.14 U     | 0.14 U     | 0.14 U     | 0.14 U     | 0.14 U     |
| Phenanthrene           | 1000  | 1000                                 | MG/KG | 0.11                              | 0.19       | 0.096 J    | 0.26       | 0.05 J     | 0.05 J     |
| Phenol                 | 0.33  | 1000                                 | MG/KG | 0.17 U                            | 0.18 U     | 0.18 U     | 0.18 U     | 0.17 U     | 0.17 U     |
| Pyrene                 | 1000  | 1000                                 | MG/KG | 0.2                               | 0.26       | 0.05 J     | 0.29       | 0.059 J    | 0.059 J    |

Table 2. Summary of Semivolatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York

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|                             |   |                                      |       | Sample Designation:               | SB018      | SB019      | SB019      | SB020      | SB020      |
|-----------------------------|---|--------------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|
|                             |   |                                      |       | Sample Date:                      | 06/09/2022 | 06/09/2022 | 06/09/2022 | 06/09/2022 | 06/09/2022 |
|                             |   |                                      |       | Sample Depth (ft bls):            | 2 - 4      | 0 - 2      | 2 - 4      | 0 - 2      | 2 - 4      |
|                             |   |                                      |       | Normal Sample or Field Duplicate: | N          | N          | N          | N          | N          |
| Parameter                   | NYSDEC Part 375<br>Protection of<br>Groundwater SCO | NYSDEC Part<br>375 Industrial<br>SCO | Units |                                   |            |            |            |            |            |
| 1,2,4,5-Tetrachlorobenzene  | --  | --                                   | MG/KG | 0.18 U                            | 0.19 U     | 0.91 U     | 0.17 U     | 0.17 U     |            |
| 1,2,4-Trichlorobenzene      | --  | --                                   | MG/KG | 0.18 U                            | 0.19 U     | 0.91 U     | 0.17 U     | 0.17 U     |            |
| 1,2-Dichlorobenzene         | 1.1   | 1000                                 | MG/KG | 0.18 U                            | 0.19 U     | 0.91 U     | 0.17 U     | 0.17 U     |            |
| 1,3-Dichlorobenzene         | 2.4   | 560                                  | MG/KG | 0.18 U                            | 0.19 U     | 0.91 U     | 0.17 U     | 0.17 U     |            |
| 1,4-Dichlorobenzene         | 1.8   | 250                                  | MG/KG | 0.18 U                            | 0.19 U     | 0.91 U     | 0.17 U     | 0.17 U     |            |
| 1,4-Dioxane (P-Dioxane)     | 0.1   | 250                                  | MG/KG | 0.027 U                           | 0.028 U    | 0.14 U     | 0.026 U    | 0.026 U    |            |
| 2,4,5-Trichlorophenol       | --  | --                                   | MG/KG | 0.18 U                            | 0.19 U     | 0.91 U     | 0.17 U     | 0.17 U     |            |
| 2,4,6-Trichlorophenol       | --  | --                                   | MG/KG | 0.11 U                            | 0.11 U     | 0.55 U     | 0.1 U      | 0.1 U      |            |
| 2,4-Dichlorophenol          | --  | --                                   | MG/KG | 0.16 U                            | 0.17 U     | 0.82 U     | 0.16 U     | 0.16 U     |            |
| 2,4-Dimethylphenol          | --  | --                                   | MG/KG | 0.18 U                            | 0.19 U     | 0.91 U     | 0.17 U     | 0.17 U     |            |
| 2,4-Dinitrophenol           | --  | --                                   | MG/KG | 0.86 U                            | 0.9 U      | 4.4 U      | 0.84 U     | 0.83 U     |            |
| 2,4-Dinitrotoluene          | --  | --                                   | MG/KG | 0.18 U                            | 0.19 U     | 0.91 U     | 0.17 U     | 0.17 U     |            |
| 2,6-Dinitrotoluene          | --  | --                                   | MG/KG | 0.18 U                            | 0.19 U     | 0.91 U     | 0.17 U     | 0.17 U     |            |
| 2-Chloronaphthalene         | --  | --                                   | MG/KG | 0.18 U                            | 0.19 U     | 0.91 U     | 0.17 U     | 0.17 U     |            |
| 2-Chlorophenol              | --  | --                                   | MG/KG | 0.18 U                            | 0.19 U     | 0.91 U     | 0.17 U     | 0.17 U     |            |
| 2-Methylnaphthalene         | --  | --                                   | MG/KG | 0.21 U                            | 0.16 J     | 1.1 U      | 0.039 J    | 0.21 U     |            |
| 2-Methylphenol (O-Cresol)   | 0.33  | 1000                                 | MG/KG | 0.18 U                            | 0.19 U     | 0.91 U     | 0.17 U     | 0.17 U     |            |
| 2-Nitroaniline              | --  | --                                   | MG/KG | 0.18 U                            | 0.19 U     | 0.91 U     | 0.17 U     | 0.17 U     |            |
| 2-Nitrophenol               | --  | --                                   | MG/KG | 0.38 U                            | 0.41 U     | 2 U        | 0.38 U     | 0.37 U     |            |
| 3,3'-Dichlorobenzidine      | --  | --                                   | MG/KG | 0.18 U                            | 0.19 U     | 0.91 U     | 0.17 U     | 0.17 U     |            |
| 3-Nitroaniline              | --  | --                                   | MG/KG | 0.18 U                            | 0.19 U     | 0.91 U     | 0.17 U     | 0.17 U     |            |
| 4,6-Dinitro-2-Methylphenol  | --  | --                                   | MG/KG | 0.46 U                            | 0.49 U     | 2.4 U      | 0.45 U     | 0.45 U     |            |
| 4-Bromophenyl Phenyl Ether  | --  | --                                   | MG/KG | 0.18 U                            | 0.19 U     | 0.91 U     | 0.17 U     | 0.17 U     |            |
| 4-Chloro-3-Methylphenol     | --  | --                                   | MG/KG | 0.18 U                            | 0.19 U     | 0.91 U     | 0.17 U     | 0.17 U     |            |
| 4-Chloroaniline             | --  | --                                   | MG/KG | 0.18 U                            | 0.19 U     | 0.91 U     | 0.17 U     | 0.17 U     |            |
| 4-Chlorophenyl Phenyl Ether | --  | --                                   | MG/KG | 0.18 U                            | 0.19 U     | 0.91 U     | 0.17 U     | 0.17 U     |            |
| 4-Nitroaniline              | --  | --                                   | MG/KG | 0.18 U                            | 0.19 U     | 0.91 U     | 0.17 U     | 0.17 U     |            |
| 4-Nitrophenol               | --  | --                                   | MG/KG | 0.25 U                            | 0.26 U     | 1.3 U      | 0.24 U     | 0.24 U     |            |
| Acenaphthene                | 98  | 1000                                 | MG/KG | 0.14 U                            | 0.024 J    | 0.33 J     | 0.14 U     | 0.14 U     |            |
| Acenaphthylene              | 107   | 1000                                 | MG/KG | 0.14 U                            | 0.11 J     | 0.73 U     | 0.14 U     | 0.14 U     |            |
| Acetophenone                | --  | --                                   | MG/KG | 0.18 U                            | 0.04 J     | 0.91 U     | 0.17 U     | 0.17 U     |            |
| Anthracene                  | 1000  | 1000                                 | MG/KG | 0.11 U                            | 0.16       | 0.66       | 0.1 U      | 0.037 J    |            |



Table 2. Summary of Semivolatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York

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|  |   |                                |       | Sample Designation:               | SB018      | SB019      | SB019      | SB020      | SB020      |
|--|---|--------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|
|  |   |                                |       | Sample Date:                      | 06/09/2022 | 06/09/2022 | 06/09/2022 | 06/09/2022 | 06/09/2022 |
|  |   |                                |       | Sample Depth (ft bls):            | 2 - 4      | 0 - 2      | 2 - 4      | 0 - 2      | 2 - 4      |
|  |   |                                |       | Normal Sample or Field Duplicate: | N          | N          | N          | N          | N          |
| Parameter                                      | NYSDEC Part 375 Protection of Groundwater SCO | NYSDEC Part 375 Industrial SCO | Units |                                   |            |            |            |            |            |
| Benzo(A)Anthracene                             | 1   | 11                             | MG/KG | 0.041 J                           | 0.4        | 1.3        | 0.072 J    | 0.089 J    |            |
| Benzo(A)Pyrene                                 | 22  | 1.1                            | MG/KG | 0.14 U                            | 0.42       | 1.2        | 0.084 J    | 0.098 J    |            |
| Benzo(B)Fluoranthene                           | 1.7   | 11                             | MG/KG | 0.048 J                           | 0.73       | 1.5        | 0.13       | 0.13       |            |
| Benzo(G,H,I)Perylene                           | 1000  | 1000                           | MG/KG | 0.14 U                            | 0.28       | 0.66 J     | 0.063 J    | 0.06 J     |            |
| Benzo(K)Fluoranthene                           | 1.7   | 110                            | MG/KG | 0.11 U                            | 0.2        | 0.4 J      | 0.03 J     | 0.1 U      |            |
| Benzoic Acid                                   | --  | --                             | MG/KG | 0.58 U                            | 0.61 U     | 3 U        | 0.56 U     | 0.56 U     |            |
| Benzyl Alcohol                                 | --  | --                             | MG/KG | 0.18 U                            | 0.19 U     | 0.91 U     | 0.17 U     | 0.17 U     |            |
| Benzyl Butyl Phthalate                         | --  | --                             | MG/KG | 0.18 U                            | 0.19 U     | 0.91 U     | 0.17 U     | 0.17 U     |            |
| Biphenyl (Diphenyl)                            | --  | --                             | MG/KG | 0.41 U                            | 0.03 J     | 2.1 U      | 0.4 U      | 0.39 U     |            |
| Bis(2-Chloroethoxy) Methane                    | --  | --                             | MG/KG | 0.19 U                            | 0.2 U      | 0.99 U     | 0.19 U     | 0.19 U     |            |
| Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether) | --  | --                             | MG/KG | 0.16 U                            | 0.17 U     | 0.82 U     | 0.16 U     | 0.16 U     |            |
| Bis(2-Chloroisopropyl) Ether                   | --  | --                             | MG/KG | 0.21 U                            | 0.22 U     | 1.1 U      | 0.21 U     | 0.21 U     |            |
| Bis(2-Ethylhexyl) Phthalate                    | --  | --                             | MG/KG | 0.18                              | 0.2        | 0.33 J     | 0.083 J    | 0.063 J    |            |
| Carbazole                                      | --  | --                             | MG/KG | 0.18 U                            | 0.05 J     | 0.21 J     | 0.17 U     | 0.017 J    |            |
| Chrysene                                       | 1   | 110                            | MG/KG | 0.036 J                           | 0.5        | 1.2        | 0.089 J    | 0.11       |            |
| Dibenz(A,H)Anthracene                          | 1000  | 1.1                            | MG/KG | 0.11 U                            | 0.073 J    | 0.15 J     | 0.1 U      | 0.1 U      |            |
| Dibenzofuran                                   | 210   | 1000                           | MG/KG | 0.18 U                            | 0.068 J    | 0.27 J     | 0.17 U     | 0.17 U     |            |
| Diethyl Phthalate                              | --  | --                             | MG/KG | 0.18 U                            | 0.19 U     | 0.91 U     | 0.17 U     | 0.17 U     |            |
| Dimethyl Phthalate                             | --  | --                             | MG/KG | 0.18 U                            | 0.19 U     | 0.91 U     | 0.17 U     | 0.17 U     |            |
| Di-N-Butyl Phthalate                           | --  | --                             | MG/KG | 0.18 U                            | 0.19 U     | 0.91 U     | 0.17 U     | 0.17 U     |            |
| Di-N-Octylphthalate                            | --  | --                             | MG/KG | 0.18 U                            | 0.19 U     | 0.91 U     | 0.17 U     | 0.17 U     |            |
| Fluoranthene                                   | 1000  | 1000                           | MG/KG | 0.066 J                           | 0.55       | 2.9        | 0.087 J    | 0.2        |            |
| Fluorene                                       | 386   | 1000                           | MG/KG | 0.18 U                            | 0.045 J    | 0.33 J     | 0.17 U     | 0.17 U     |            |
| Hexachlorobenzene                              | 3.2   | 12                             | MG/KG | 0.11 U                            | 0.11 U     | 0.55 U     | 0.1 U      | 0.1 U      |            |
| Hexachlorobutadiene                            | --  | --                             | MG/KG | 0.18 U                            | 0.19 U     | 0.91 U     | 0.17 U     | 0.17 U     |            |
| Hexachlorocyclopentadiene                      | --  | --                             | MG/KG | 0.51 U                            | 0.54 U     | 2.6 U      | 0.5 U      | 0.49 U     |            |
| Hexachloroethane                               | --  | --                             | MG/KG | 0.14 U                            | 0.15 U     | 0.73 U     | 0.14 U     | 0.14 U     |            |
| Indeno(1,2,3-C,D)Pyrene                        | 8.2   | 11                             | MG/KG | 0.14 U                            | 0.33       | 0.73       | 0.062 J    | 0.064 J    |            |
| Isophorone                                     | --  | --                             | MG/KG | 0.16 U                            | 0.17 U     | 0.82 U     | 0.16 U     | 0.16 U     |            |
| Naphthalene                                    | 12  | 1000                           | MG/KG | 0.18 U                            | 0.12 J     | 0.15 J     | 0.031 J    | 0.17 U     |            |
| Nitrobenzene                                   | --  | --                             | MG/KG | 0.16 U                            | 0.17 U     | 0.82 U     | 0.16 U     | 0.16 U     |            |
| N-Nitrosodi-N-Propylamine                      | --  | --                             | MG/KG | 0.18 U                            | 0.19 U     | 0.91 U     | 0.17 U     | 0.17 U     |            |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|                        |   |                                      |       | Sample Designation:               | SB018      | SB019      | SB019      | SB020      | SB020      |
|------------------------|---|--------------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|
|                        |   |                                      |       | Sample Date:                      | 06/09/2022 | 06/09/2022 | 06/09/2022 | 06/09/2022 | 06/09/2022 |
|                        |   |                                      |       | Sample Depth (ft bls):            | 2 - 4      | 0 - 2      | 2 - 4      | 0 - 2      | 2 - 4      |
|                        |   |                                      |       | Normal Sample or Field Duplicate: | N          | N          | N          | N          | N          |
| Parameter              | NYSDEC Part 375<br>Protection of<br>Groundwater SCO | NYSDEC Part<br>375 Industrial<br>SCO | Units |                                   |            |            |            |            |            |
| N-Nitrosodiphenylamine | --  | --                                   | MG/KG | 0.14 U                            | 0.15 U     | 0.73 U     | 0.14 U     | 0.14 U     |            |
| Pentachlorophenol      | 0.8   | 55                                   | MG/KG | 0.14 U                            | 0.12 J     | 0.73 U     | 0.14 U     | 0.14 U     |            |
| Phenanthrene           | 1000  | 1000                                 | MG/KG | 0.03 J                            | 0.34       | 3.2        | 0.072 J    | 0.17       |            |
| Phenol                 | 0.33  | 1000                                 | MG/KG | 0.18 U                            | 0.19 U     | 0.91 U     | 0.17 U     | 0.17 U     |            |
| Pyrene                 | 1000  | 1000                                 | MG/KG | 0.057 J                           | 0.51       | 2.4        | 0.094 J    | 0.18       |            |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York**

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|                             |   |                                      |       | Sample Designation:               | SB021      | SB021      | SB021      |
|-----------------------------|---|--------------------------------------|-------|-----------------------------------|------------|------------|------------|
|                             |   |                                      |       | Sample Date:                      | 06/09/2022 | 06/09/2022 | 06/09/2022 |
|                             |   |                                      |       | Sample Depth (ft bls):            | 0 - 2      | 0 - 2      | 2 - 4      |
|                             |   |                                      |       | Normal Sample or Field Duplicate: | N          | FD         | N          |
| Parameter                   | NYSDEC Part 375<br>Protection of<br>Groundwater SCO | NYSDEC Part<br>375 Industrial<br>SCO | Units |                                   |            |            |            |
| 1,2,4,5-Tetrachlorobenzene  | --  | --                                   | MG/KG | 0.87 U                            | 0.87 U     | 0.17 U     |            |
| 1,2,4-Trichlorobenzene      | --  | --                                   | MG/KG | 0.87 U                            | 0.87 U     | 0.17 U     |            |
| 1,2-Dichlorobenzene         | 1.1   | 1000                                 | MG/KG | 0.87 U                            | 0.87 U     | 0.17 U     |            |
| 1,3-Dichlorobenzene         | 2.4   | 560                                  | MG/KG | 0.87 U                            | 0.87 U     | 0.17 U     |            |
| 1,4-Dichlorobenzene         | 1.8   | 250                                  | MG/KG | 0.87 U                            | 0.87 U     | 0.17 U     |            |
| 1,4-Dioxane (P-Dioxane)     | 0.1   | 250                                  | MG/KG | 0.13 U                            | 0.13 U     | 0.026 U    |            |
| 2,4,5-Trichlorophenol       | --  | --                                   | MG/KG | 0.87 U                            | 0.87 U     | 0.17 U     |            |
| 2,4,6-Trichlorophenol       | --  | --                                   | MG/KG | 0.52 U                            | 0.52 U     | 0.1 U      |            |
| 2,4-Dichlorophenol          | --  | --                                   | MG/KG | 0.78 U                            | 0.78 U     | 0.16 U     |            |
| 2,4-Dimethylphenol          | --  | --                                   | MG/KG | 0.87 U                            | 0.87 U     | 0.17 U     |            |
| 2,4-Dinitrophenol           | --  | --                                   | MG/KG | 4.2 U                             | 4.2 U      | 0.84 U     |            |
| 2,4-Dinitrotoluene          | --  | --                                   | MG/KG | 0.87 U                            | 0.87 U     | 0.17 U     |            |
| 2,6-Dinitrotoluene          | --  | --                                   | MG/KG | 0.87 U                            | 0.87 U     | 0.17 U     |            |
| 2-Chloronaphthalene         | --  | --                                   | MG/KG | 0.87 U                            | 0.87 U     | 0.17 U     |            |
| 2-Chlorophenol              | --  | --                                   | MG/KG | 0.87 U                            | 0.87 U     | 0.17 U     |            |
| 2-Methylnaphthalene         | --  | --                                   | MG/KG | 1 U                               | 1 U        | 0.21 U     |            |
| 2-Methylphenol (O-Cresol)   | 0.33  | 1000                                 | MG/KG | 0.87 U                            | 0.87 U     | 0.17 U     |            |
| 2-Nitroaniline              | --  | --                                   | MG/KG | 0.87 U                            | 0.87 U     | 0.17 U     |            |
| 2-Nitrophenol               | --  | --                                   | MG/KG | 1.9 U                             | 1.9 U      | 0.38 U     |            |
| 3,3'-Dichlorobenzidine      | --  | --                                   | MG/KG | 0.87 U                            | 0.87 U     | 0.17 U     |            |
| 3-Nitroaniline              | --  | --                                   | MG/KG | 0.87 U                            | 0.87 U     | 0.17 U     |            |
| 4,6-Dinitro-2-Methylphenol  | --  | --                                   | MG/KG | 2.2 U                             | 2.2 U      | 0.45 U     |            |
| 4-Bromophenyl Phenyl Ether  | --  | --                                   | MG/KG | 0.87 U                            | 0.87 U     | 0.17 U     |            |
| 4-Chloro-3-Methylphenol     | --  | --                                   | MG/KG | 0.87 U                            | 0.87 U     | 0.17 U     |            |
| 4-Chloroaniline             | --  | --                                   | MG/KG | 0.87 U                            | 0.87 U     | 0.17 U     |            |
| 4-Chlorophenyl Phenyl Ether | --  | --                                   | MG/KG | 0.87 U                            | 0.87 U     | 0.17 U     |            |
| 4-Nitroaniline              | --  | --                                   | MG/KG | 0.87 U                            | 0.87 U     | 0.17 U     |            |
| 4-Nitrophenol               | --  | --                                   | MG/KG | 1.2 U                             | 1.2 U      | 0.24 U     |            |
| Acenaphthene                | 98  | 1000                                 | MG/KG | 0.69 U                            | 0.69 U     | 0.14 U     |            |
| Acenaphthylene              | 107   | 1000                                 | MG/KG | 0.69 U                            | 0.69 U     | 0.14 U     |            |
| Acetophenone                | --  | --                                   | MG/KG | 0.87 U                            | 0.87 U     | 0.17 U     |            |
| Anthracene                  | 1000  | 1000                                 | MG/KG | 0.52 U                            | 0.52 U     | 0.1 U      |            |

Table 2. Summary of Semivolatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York

DRAFT

|  |   |                                      |       | Sample Designation:               | SB021      | SB021      | SB021      |
|--|---|--------------------------------------|-------|-----------------------------------|------------|------------|------------|
|  |   |                                      |       | Sample Date:                      | 06/09/2022 | 06/09/2022 | 06/09/2022 |
|  |   |                                      |       | Sample Depth (ft bls):            | 0 - 2      | 0 - 2      | 2 - 4      |
|  |   |                                      |       | Normal Sample or Field Duplicate: | N          | FD         | N          |
| Parameter                                      | NYSDEC Part 375<br>Protection of<br>Groundwater SCO | NYSDEC Part<br>375 Industrial<br>SCO | Units |                                   |            |            |            |
| Benzo(A)Anthracene                             | 1   | 11                                   | MG/KG | 0.52 U                            | 0.14 J     | 0.1 U      |            |
| Benzo(A)Pyrene                                 | 22  | 1.1                                  | MG/KG | 0.69 U                            | 0.69 U     | 0.14 U     |            |
| Benzo(B)Fluoranthene                           | 1.7   | 11                                   | MG/KG | 0.52 U                            | 0.16 J     | 0.1 U      |            |
| Benzo(G,H,I)Perylene                           | 1000  | 1000                                 | MG/KG | 0.69 U                            | 0.69 U     | 0.14 U     |            |
| Benzo(K)Fluoranthene                           | 1.7   | 110                                  | MG/KG | 0.52 U                            | 0.19 J     | 0.1 U      |            |
| Benzoic Acid                                   | --  | --                                   | MG/KG | 2.8 U                             | 2.8 U      | 0.57 U     |            |
| Benzyl Alcohol                                 | --  | --                                   | MG/KG | 0.87 U                            | 0.87 U     | 0.17 U     |            |
| Benzyl Butyl Phthalate                         | --  | --                                   | MG/KG | 0.87 U                            | 0.87 U     | 0.17 U     |            |
| Biphenyl (Diphenyl)                            | --  | --                                   | MG/KG | 2 U                               | 2 U        | 0.4 U      |            |
| Bis(2-Chloroethoxy) Methane                    | --  | --                                   | MG/KG | 0.94 U                            | 0.94 U     | 0.19 U     |            |
| Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether) | --  | --                                   | MG/KG | 0.78 U                            | 0.78 U     | 0.16 U     |            |
| Bis(2-Chloroisopropyl) Ether                   | --  | --                                   | MG/KG | 1 U                               | 1 U        | 0.21 U     |            |
| Bis(2-Ethylhexyl) Phthalate                    | --  | --                                   | MG/KG | 0.87 U                            | 0.32 J     | 0.067 J    |            |
| Carbazole                                      | --  | --                                   | MG/KG | 0.87 U                            | 0.87 U     | 0.17 U     |            |
| Chrysene                                       | 1   | 110                                  | MG/KG | 0.52 U                            | 0.15 J     | 0.1 U      |            |
| Dibenz(A,H)Anthracene                          | 1000  | 1.1                                  | MG/KG | 0.52 U                            | 0.52 U     | 0.1 U      |            |
| Dibenzofuran                                   | 210   | 1000                                 | MG/KG | 0.87 U                            | 0.87 U     | 0.17 U     |            |
| Diethyl Phthalate                              | --  | --                                   | MG/KG | 0.87 U                            | 0.87 U     | 0.17 U     |            |
| Dimethyl Phthalate                             | --  | --                                   | MG/KG | 0.87 U                            | 0.87 U     | 0.17 U     |            |
| Di-N-Butyl Phthalate                           | --  | --                                   | MG/KG | 0.87 U                            | 0.87 U     | 0.17 U     |            |
| Di-N-Octylphthalate                            | --  | --                                   | MG/KG | 0.87 U                            | 0.87 U     | 0.17 U     |            |
| Fluoranthene                                   | 1000  | 1000                                 | MG/KG | 0.52 U                            | 0.19 J     | 0.1 U      |            |
| Fluorene                                       | 386   | 1000                                 | MG/KG | 0.87 U                            | 0.87 U     | 0.17 U     |            |
| Hexachlorobenzene                              | 3.2   | 12                                   | MG/KG | 0.52 U                            | 0.52 U     | 0.1 U      |            |
| Hexachlorobutadiene                            | --  | --                                   | MG/KG | 0.87 U                            | 0.87 U     | 0.17 U     |            |
| Hexachlorocyclopentadiene                      | --  | --                                   | MG/KG | 2.5 U                             | 2.5 U      | 0.5 U      |            |
| Hexachloroethane                               | --  | --                                   | MG/KG | 0.69 U                            | 0.69 U     | 0.14 U     |            |
| Indeno(1,2,3-C,D)Pyrene                        | 8.2   | 11                                   | MG/KG | 0.69 U                            | 0.69 U     | 0.14 U     |            |
| Isophorone                                     | --  | --                                   | MG/KG | 0.78 U                            | 0.78 U     | 0.16 U     |            |
| Naphthalene                                    | 12  | 1000                                 | MG/KG | 0.87 U                            | 0.87 U     | 0.17 U     |            |
| Nitrobenzene                                   | --  | --                                   | MG/KG | 0.78 U                            | 0.78 U     | 0.16 U     |            |
| N-Nitrosodi-N-Propylamine                      | --  | --                                   | MG/KG | 0.87 U                            | 0.87 U     | 0.17 U     |            |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|                        |   |                                      |       | Sample Designation:               | SB021      | SB021      | SB021      |
|------------------------|---|--------------------------------------|-------|-----------------------------------|------------|------------|------------|
|                        |   |                                      |       | Sample Date:                      | 06/09/2022 | 06/09/2022 | 06/09/2022 |
|                        |   |                                      |       | Sample Depth (ft bls):            | 0 - 2      | 0 - 2      | 2 - 4      |
|                        |   |                                      |       | Normal Sample or Field Duplicate: | N          | FD         | N          |
| Parameter              | NYSDEC Part 375<br>Protection of<br>Groundwater SCO | NYSDEC Part<br>375 Industrial<br>SCO | Units |                                   |            |            |            |
| N-Nitrosodiphenylamine | --  | --                                   | MG/KG | 0.69 U                            | 0.69 U     | 0.14 U     |            |
| Pentachlorophenol      | 0.8   | 55                                   | MG/KG | 0.69 U                            | 0.69 U     | 0.14 U     |            |
| Phenanthrene           | 1000  | 1000                                 | MG/KG | 0.52 U                            | 0.11 J     | 0.1 U      |            |
| Phenol                 | 0.33  | 1000                                 | MG/KG | 0.87 U                            | 0.87 U     | 0.17 U     |            |
| Pyrene                 | 1000  | 1000                                 | MG/KG | 0.52 U                            | 0.18 J     | 0.1 U      |            |

**Table 3. Summary of Metals in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|                      |   |                                |       | Sample Designation:               |            |            |             |            |            |            |
|----------------------|---|--------------------------------|-------|-----------------------------------|------------|------------|-------------|------------|------------|------------|
|                      |   |                                |       | SB011                             | SB011      | SB012      | SB012       | SB012      | SB012      | SB013      |
|                      |   |                                |       | 05/05/2022                        | 05/05/2022 | 06/10/2022 | 06/10/2022  | 06/10/2022 | 06/10/2022 | 06/10/2022 |
|                      |   |                                |       | 0 - 2                             | 15 - 17    | 0 - 2      | 12 - 14     | 12 - 14    | 15 - 17    | 0 - 2      |
|                      |   |                                |       | N                                 | N          | N          | N           | FD         | N          | N          |
|                      |   |                                |       | Normal Sample or Field Duplicate: |            |            |             |            |            |            |
| Parameter            | NYSDEC Part 375 Protection of Groundwater SCO | NYSDEC Part 375 Industrial SCO | Units |                                   |            |            |             |            |            |            |
| Aluminum             | --  | --                             | MG/KG | 6420                              | 5510       | 4890       | 4140        | 5380       | 3570       | 5720       |
| Antimony             | --  | --                             | MG/KG | 0.588 J                           | 5.16 U     | 4.13 U     | 2.7 J       | 4.41 U     | 3.99 U     | 4.32 U     |
| Arsenic              | <b>16</b>                                     | 16                             | MG/KG | 5.67                              | 1.04       | 2.11       | <b>23.3</b> | 9.25       | 0.463 J    | 5.19       |
| Barium               | <b>820</b>                                    | 10000                          | MG/KG | 108                               | 35.6       | 32.1       | 738         | 54.6       | 17         | 232        |
| Beryllium            | 47  | 2700                           | MG/KG | 1.41                              | 0.227 J    | 0.256 J    | 0.382 J     | 0.264 J    | 0.136 J    | 0.302 J    |
| Cadmium              | 7.5   | 60                             | MG/KG | 0.5 J                             | 1.03 U     | 0.19 J     | 2.99        | 0.335 J    | 0.798 U    | 0.605 J    |
| Calcium              | --  | --                             | MG/KG | 13200                             | 4000       | 15900      | 1830        | 1780       | 678        | 16700      |
| Chromium, Hexavalent | 19  | 800                            | MG/KG | 0.18 J                            | 0.215 J    | 0.168 J    | 0.863 U     | 0.903 U    | 0.825 U    | 0.177 J    |
| Chromium, Total      | --  | 6800                           | MG/KG | 19.8                              | 19.7       | 13.7       | 23.1        | 10.6       | 12.9       | 21.9       |
| Cobalt               | --  | --                             | MG/KG | 9.58                              | 4.95       | 6.57       | 4.75        | 4.14       | 3.08       | 6.34       |
| Copper               | 1720  | 10000                          | MG/KG | 107                               | 20.3       | 38.2       | 257         | 27.1       | 7.2        | 128        |
| Cyanide              | 40  | 10000                          | MG/KG | 1.1 U                             | 1.2 U      | 1 U        | 0.26 J      | 1.1 U      | 1 U        | 1 U        |
| Iron                 | --  | --                             | MG/KG | 13600                             | 7320       | 13200      | 21700       | 10400      | 3960       | 16700      |
| Lead                 | <b>450</b>                                    | 3900                           | MG/KG | 194                               | 22.9       | 20.2       | <b>609</b>  | 37.3       | 2.34 J     | 356        |
| Magnesium            | --  | --                             | MG/KG | 4000                              | 2610       | 9640       | 1170        | 1370       | 1240       | 3190       |
| Manganese            | 2000  | 10000                          | MG/KG | 177                               | 69.5       | 254        | 89.7        | 174        | 30.5       | 207        |
| Mercury              | <b>0.73</b>                                   | 5.7                            | MG/KG | <b>0.777</b>                      | 0.085 U    | 0.067 U    | 0.308       | 0.078      | 0.066 U    | 0.434      |
| Nickel               | 130   | 10000                          | MG/KG | 19.8                              | 11.5       | 11.9       | 36.2        | 9.89       | 7.69       | 17.9       |
| Potassium            | --  | --                             | MG/KG | 869                               | 843        | 804        | 398         | 493        | 388        | 1070       |
| Selenium             | 4   | 6800                           | MG/KG | 0.263 J                           | 0.279 J    | 1.65 U     | 1.51 J      | 0.529 J    | 1.6 U      | 0.251 J    |
| Silver               | 8.3   | 6800                           | MG/KG | 0.878 U                           | 1.03 U     | 0.826 U    | 0.788 J     | 0.882 U    | 0.798 U    | 0.864 U    |
| Sodium               | --  | --                             | MG/KG | 125 J                             | 112 J      | 123 J      | 109 J       | 56.8 J     | 40.6 J     | 140 J      |
| Thallium             | --  | --                             | MG/KG | 1.76 U                            | 2.06 U     | 1.65 U     | 1.66 U      | 1.76 U     | 1.6 U      | 1.73 U     |
| Vanadium             | --  | --                             | MG/KG | 22.3                              | 19.6       | 28.4       | 153         | 14.6       | 14.5       | 21.7       |
| Zinc                 | 2480  | 10000                          | MG/KG | 582                               | 43.2       | 42.6       | 602         | 116        | 19.8       | 282        |

**Table 3. Summary of Metals in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|                      |   |                                |       | Sample Designation:               | SB013      | SB013      | SB014       | SB014       | SB014      | SB015       | SB015      |
|----------------------|---|--------------------------------|-------|-----------------------------------|------------|------------|-------------|-------------|------------|-------------|------------|
|                      |   |                                |       | Sample Date:                      | 06/10/2022 | 06/10/2022 | 06/13/2022  | 06/13/2022  | 06/13/2022 | 06/13/2022  | 06/13/2022 |
|                      |   |                                |       | Sample Depth (ft bls):            | 6 - 8      | 10 - 12    | 0 - 2       | 10 - 12     | 14 - 16    | 0 - 2       | 6 - 8      |
|                      |   |                                |       | Normal Sample or Field Duplicate: | N          | N          | N           | N           | N          | N           | N          |
| Parameter            | NYSDEC Part 375 Protection of Groundwater SCO | NYSDEC Part 375 Industrial SCO | Units |                                   |            |            |             |             |            |             |            |
| Aluminum             | --  | --                             | MG/KG | 10800                             | 4130       | 3800       | 1100        | 6720        | 5100       | 8410        |            |
| Antimony             | --  | --                             | MG/KG | 4.27 U                            | 0.786 J    | 3.94 U     | 4.18 U      | 1.51 J      | 4.14 U     | 4.06 U      |            |
| Arsenic              | <b>16</b>                                     | 16                             | MG/KG | 7.75                              | 6.15       | 2.17       | 1.37        | <b>21.5</b> | 2.34       | 2.66        |            |
| Barium               | <b>820</b>                                    | 10000                          | MG/KG | 117                               | 200        | 30.9       | <b>1390</b> | 110         | 44.5       | 104         |            |
| Beryllium            | 47  | 2700                           | MG/KG | 0.606                             | 0.72       | 0.118 J    | 0.059 J     | 0.387 J     | 0.224 J    | 0.406       |            |
| Cadmium              | 7.5   | 60                             | MG/KG | 0.496 J                           | 0.606 J    | 0.252 J    | 0.384 J     | 0.353 J     | 0.265 J    | 0.203 J     |            |
| Calcium              | --  | --                             | MG/KG | 5530                              | 3980       | 59400      | 54600       | 2120        | 29900      | 11100       |            |
| Chromium, Hexavalent | 19  | 800                            | MG/KG | 0.864 U                           | 0.858 U    | 0.828 U    | 0.87 U      | 0.888 U     | 0.871 U    | 0.856 U     |            |
| Chromium, Total      | --  | 6800                           | MG/KG | 25.8                              | 12.5       | 5.51       | 3.99        | 15.7        | 9.71       | 17.4        |            |
| Cobalt               | --  | --                             | MG/KG | 7.21                              | 4.7        | 5.18       | 0.994 J     | 5.08        | 4.78       | 10.9        |            |
| Copper               | 1720  | 10000                          | MG/KG | 76.9                              | 80.3       | 68.8       | 3.12        | 348         | 57.9       | 27.4        |            |
| Cyanide              | 40  | 10000                          | MG/KG | 1 U                               | 1 U        | 1 U        | 1 U         | 1.1 U       | 1 U        | 0.98 U      |            |
| Iron                 | --  | --                             | MG/KG | 17900                             | 10700      | 14000      | 2730        | 13200       | 11100      | 19300       |            |
| Lead                 | <b>450</b>                                    | 3900                           | MG/KG | 200                               | 366        | 47.8       | <b>776</b>  | 183         | 56.3       | 96.2        |            |
| Magnesium            | --  | --                             | MG/KG | 3040                              | 1910       | 24800      | 2210        | 1780        | 15100      | 5000        |            |
| Manganese            | 2000  | 10000                          | MG/KG | 213                               | 166        | 160        | 86.5        | 142         | 138        | 262         |            |
| Mercury              | <b>0.73</b>                                   | 5.7                            | MG/KG | <b>1.34</b>                       | 0.226      | 0.068      | <b>3.73</b> | 0.476       | 0.181      | <b>1.02</b> |            |
| Nickel               | 130   | 10000                          | MG/KG | 19.7                              | 12         | 5.4        | 3.91        | 13.5        | 8.81       | 17.9        |            |
| Potassium            | --  | --                             | MG/KG | 1250                              | 447        | 619        | 341         | 583         | 969        | 4140        |            |
| Selenium             | 4   | 6800                           | MG/KG | 0.384 J                           | 1.64 U     | 1.58 U     | 0.434 J     | 0.664 J     | 1.66 U     | 1.62 U      |            |
| Silver               | 8.3   | 6800                           | MG/KG | 0.384 J                           | 0.303 J    | 0.789 U    | 0.836 U     | 0.404 J     | 0.829 U    | 0.812 U     |            |
| Sodium               | --  | --                             | MG/KG | 173                               | 100 J      | 187        | 45.9 J      | 79.6 J      | 122 J      | 151 J       |            |
| Thallium             | --  | --                             | MG/KG | 1.71 U                            | 1.64 U     | 1.58 U     | 1.67 U      | 1.68 U      | 1.66 U     | 1.62 U      |            |
| Vanadium             | --  | --                             | MG/KG | 25.5                              | 20.8       | 33.6       | 5.19        | 24.2        | 23.6       | 27.1        |            |
| Zinc                 | 2480  | 10000                          | MG/KG | 228                               | 374        | 63.5       | 501         | 183         | 72.7       | 81.1        |            |

**Table 3. Summary of Metals in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|                      |   |                                |       | Sample Designation:               | SB015      | SB016      | SB016      | SB017      | SB017      | SB018      | SB018      |
|----------------------|---|--------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|------------|------------|
|                      |   |                                |       | Sample Date:                      | 06/13/2022 | 06/10/2022 | 06/10/2022 | 06/10/2022 | 06/10/2022 | 06/09/2022 | 06/09/2022 |
|                      |   |                                |       | Sample Depth (ft bls):            | 12 - 14    | 0 - 2      | 2 - 4      | 0 - 2      | 2 - 4      | 0 - 2      | 2 - 4      |
|                      |   |                                |       | Normal Sample or Field Duplicate: | N          | N          | N          | N          | N          | N          | N          |
| Parameter            | NYSDEC Part 375 Protection of Groundwater SCO | NYSDEC Part 375 Industrial SCO | Units |                                   |            |            |            |            |            |            |            |
| Aluminum             | --  | --                             | MG/KG | 7580                              | 6900       | 5760       | 4650       | 4420       | 4820       | 4240       |            |
| Antimony             | --  | --                             | MG/KG | 4.72 U                            | 4.22 U     | 1.55 J     | 4.29 U     | 4.11 U     | 0.47 J     | 0.408 J    |            |
| Arsenic              | <b>16</b>                                     | 16                             | MG/KG | 1.64                              | 1.9        | 11         | 8.43       | 13.8       | 3.48       | 0.391 J    |            |
| Barium               | <b>820</b>                                    | 10000                          | MG/KG | 34.6                              | 93.8       | 180        | 44.8       | 47         | 41.2       | 29.8       |            |
| Beryllium            | 47  | 2700                           | MG/KG | 0.416 J                           | 0.287 J    | 0.286 J    | 0.266 J    | 0.288 J    | 0.186 J    | 0.356 J    |            |
| Cadmium              | 7.5   | 60                             | MG/KG | 0.945 U                           | 0.143 J    | 0.556 J    | 0.206 J    | 0.337 J    | 0.494 J    | 0.504 J    |            |
| Calcium              | --  | --                             | MG/KG | 1240                              | 15100      | 53400      | 32200      | 3500       | 7970       | 5750       |            |
| Chromium, Hexavalent | 19  | 800                            | MG/KG | 0.97 U                            | 0.172 J    | 0.89 U     | 0.284 J    | 0.861 U    | 0.846 U    | 0.348 J    |            |
| Chromium, Total      | --  | 6800                           | MG/KG | 9.6                               | 16.3       | 25.3       | 11.4       | 14.3       | 9.82       | 14.8       |            |
| Cobalt               | --  | --                             | MG/KG | 3.36                              | 4.56       | 5.27       | 4.5        | 4.38       | 4.18       | 4.65       |            |
| Copper               | 1720  | 10000                          | MG/KG | 16.6                              | 20         | 79.9       | 40.9       | 59.4       | 240        | 40.7       |            |
| Cyanide              | 40  | 10000                          | MG/KG | 1.1 U                             | 1 U        | 1 U        | 0.28 J     | 1 U        | 0.99 U     | 1.1 U      |            |
| Iron                 | --  | --                             | MG/KG | 8280                              | 8680       | 23300      | 12500      | 19200      | 10400      | 12600      |            |
| Lead                 | <b>450</b>                                    | 3900                           | MG/KG | 20.6                              | 54.4       | 142        | 24         | 46.7       | 29.7       | 9.13       |            |
| Magnesium            | --  | --                             | MG/KG | 1320                              | 2430       | 2320       | 2150       | 1590       | 4860       | 4140       |            |
| Manganese            | 2000  | 10000                          | MG/KG | 136                               | 132        | 263        | 259        | 160        | 136        | 222        |            |
| Mercury              | <b>0.73</b>                                   | 5.7                            | MG/KG | 0.102                             | 0.069 U    | 0.144      | 0.057 J    | 0.063 J    | 0.055 J    | 0.078 U    |            |
| Nickel               | 130   | 10000                          | MG/KG | 6.22                              | 10         | 15.2       | 8.98       | 10.3       | 7.96       | 7.65       |            |
| Potassium            | --  | --                             | MG/KG | 323                               | 809        | 947        | 551        | 492        | 482        | 525        |            |
| Selenium             | 4   | 6800                           | MG/KG | 1.89 U                            | 1.69 U     | 0.365 J    | 0.437 J    | 0.337 J    | 1.62 U     | 1.74 U     |            |
| Silver               | 8.3   | 6800                           | MG/KG | 0.945 U                           | 0.843 U    | 0.868 U    | 0.857 U    | 0.822 U    | 0.81 U     | 0.868 U    |            |
| Sodium               | --  | --                             | MG/KG | 43.3 J                            | 135 J      | 243        | 249        | 222        | 55.6 J     | 60.1 J     |            |
| Thallium             | --  | --                             | MG/KG | 1.89 U                            | 1.69 U     | 1.74 U     | 1.71 U     | 1.64 U     | 1.62 U     | 1.74 U     |            |
| Vanadium             | --  | --                             | MG/KG | 14.4                              | 21.5       | 31         | 17.9       | 24.8       | 16.1       | 26.5       |            |
| Zinc                 | 2480  | 10000                          | MG/KG | 31.9                              | 60.8       | 267        | 60.3       | 82         | 64.6       | 30.1       |            |



**Table 3. Summary of Metals in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|                      |   |                                      |       | Sample Designation:               |            |            |            |            |            |            |
|----------------------|---|--------------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|------------|
|                      |   |                                      |       | SB019                             | SB019      | SB020      | SB020      | SB021      | SB021      | SB021      |
|                      |   |                                      |       | 06/09/2022                        | 06/09/2022 | 06/09/2022 | 06/09/2022 | 06/09/2022 | 06/09/2022 | 06/09/2022 |
|                      |   |                                      |       | Sample Date:                      |            |            |            |            |            |            |
|                      |   |                                      |       | 0 - 2                             | 2 - 4      | 0 - 2      | 2 - 4      | 0 - 2      | 0 - 2      | 2 - 4      |
|                      |   |                                      |       | Sample Depth (ft bls):            |            |            |            |            |            |            |
|                      |   |                                      |       | N                                 | N          | N          | N          | N          | FD         | N          |
|                      |   |                                      |       | Normal Sample or Field Duplicate: |            |            |            |            |            |            |
| Parameter            | NYSDEC Part 375<br>Protection of<br>Groundwater SCO | NYSDEC Part<br>375 Industrial<br>SCO | Units |                                   |            |            |            |            |            |            |
| Aluminum             | --  | --                                   | MG/KG | 3830                              | 5020       | 3940       | 3010       | 3860       | 4590       | 3790       |
| Antimony             | --  | --                                   | MG/KG | 5.94                              | 0.961 J    | 0.968 J    | 0.33 J     | 1.33 J     | 0.548 J    | 4.14 U     |
| Arsenic              | <b>16</b>   | 16                                   | MG/KG | 14                                | 4.54       | 7.92       | 8.25       | 10.8       | 5.04       | 0.671 J    |
| Barium               | <b>820</b>  | 10000                                | MG/KG | 140                               | 131        | 50.9       | 28.2       | 64.4       | 39.1       | 25.5       |
| Beryllium            | 47  | 2700                                 | MG/KG | 0.296 J                           | 0.238 J    | 0.197 J    | 0.145 J    | 0.19 J     | 0.166 J    | 0.108 J    |
| Cadmium              | 7.5   | 60                                   | MG/KG | 2.39                              | 1.23       | 0.968      | 0.41 J     | 0.89       | 0.622 J    | 0.224 J    |
| Calcium              | --  | --                                   | MG/KG | 4480                              | 11100      | 23400      | 1510       | 16200      | 34700      | 3220       |
| Chromium, Hexavalent | 19  | 800                                  | MG/KG | 0.926 U                           | 0.179 J    | 0.857 U    | 0.168 J    | 0.848 U    | 0.853 U    | 0.406 J    |
| Chromium, Total      | --  | 6800                                 | MG/KG | 27.1                              | 15.4       | 10.7       | 9.55       | 9.52       | 12.6       | 9.18       |
| Cobalt               | --  | --                                   | MG/KG | 7.64                              | 6.61       | 6.75       | 3.32       | 5.26       | 5.86       | 5.68       |
| Copper               | 1720  | 10000                                | MG/KG | 240                               | 66.4       | 52.8       | 16.6       | 81.8       | 56         | 13.8       |
| Cyanide              | 40  | 10000                                | MG/KG | 1.1 U                             | 1 U        | 1.1 U      | 1 U        | 1 U        | 1 U        | 1 U        |
| Iron                 | --  | --                                   | MG/KG | 37300                             | 13000      | 13200      | 10400      | 13700      | 11900      | 6220       |
| Lead                 | <b>450</b>  | 3900                                 | MG/KG | 369                               | 252        | 77.3       | 13.2       | 88.7       | 42         | 4.77       |
| Magnesium            | --  | --                                   | MG/KG | 1280                              | 3730       | 9540       | 1490       | 8580       | 19100      | 2240       |
| Manganese            | 2000  | 10000                                | MG/KG | 265                               | 129        | 304        | 145        | 204        | 252        | 317        |
| Mercury              | <b>0.73</b>   | 5.7                                  | MG/KG | 0.382                             | 0.255      | 0.092      | 0.071 U    | 0.102      | 0.062 J    | 0.067 U    |
| Nickel               | 130   | 10000                                | MG/KG | 21.5                              | 15.1       | 10.9       | 6.68       | 10.5       | 10.4       | 6.49       |
| Potassium            | --  | --                                   | MG/KG | 535                               | 1320       | 513        | 452        | 484        | 611        | 740        |
| Selenium             | 4   | 6800                                 | MG/KG | 1.74 U                            | 1.76 U     | 1.71 U     | 1.61 U     | 1.65 U     | 1.66 U     | 1.66 U     |
| Silver               | 8.3   | 6800                                 | MG/KG | 0.348 J                           | 0.881 U    | 0.857 U    | 0.804 U    | 0.824 U    | 0.83 U     | 0.828 U    |
| Sodium               | --  | --                                   | MG/KG | 72.4 J                            | 75.7 J     | 115 J      | 60.1 J     | 91.3 J     | 142 J      | 50.2 J     |
| Thallium             | --  | --                                   | MG/KG | 1.74 U                            | 1.76 U     | 1.71 U     | 1.61 U     | 1.65 U     | 1.66 U     | 1.66 U     |
| Vanadium             | --  | --                                   | MG/KG | 65                                | 105        | 23.2       | 14.1       | 27.8       | 25.2       | 14.1       |
| Zinc                 | 2480  | 10000                                | MG/KG | 471                               | 211        | 263        | 69.1       | 127        | 120        | 21         |

**Table 4. Summary of Polychlorinated Biphenyls in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|                                 |   |                                      |       | Sample Designation:               | SB011      | SB011      | SB012      | SB012      | SB012      | SB012      | SB013      |
|---------------------------------|---|--------------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|------------|------------|
|                                 |   |                                      |       | Sample Date:                      | 05/05/2022 | 05/05/2022 | 06/10/2022 | 06/10/2022 | 06/10/2022 | 06/10/2022 | 06/10/2022 |
|                                 |   |                                      |       | Sample Depth (ft bls):            | 0 - 2      | 15 - 17    | 0 - 2      | 12 - 14    | 12 - 14    | 15 - 17    | 0 - 2      |
|                                 |   |                                      |       | Normal Sample or Field Duplicate: | N          | N          | N          | N          | FD         | N          | N          |
| Parameter                       | NYSDEC Part 375<br>Protection of<br>Groundwater SCO | NYSDEC Part<br>375 Industrial<br>SCO | Units |                                   |            |            |            |            |            |            |            |
| PCB-1016 (Aroclor 1016)         | --  | --                                   | MG/KG | 0.0367 U                          | 0.0424 U   | 0.0344 U   | 0.0342 U   | 0.0365 U   | 0.0331 U   | 0.0368 U   |            |
| PCB-1221 (Aroclor 1221)         | --  | --                                   | MG/KG | 0.0367 U                          | 0.0424 U   | 0.0344 U   | 0.0342 U   | 0.0365 U   | 0.0331 U   | 0.0368 U   |            |
| PCB-1232 (Aroclor 1232)         | --  | --                                   | MG/KG | 0.0367 U                          | 0.0424 U   | 0.0344 U   | 0.0342 U   | 0.0365 U   | 0.0331 U   | 0.0368 U   |            |
| PCB-1242 (Aroclor 1242)         | --  | --                                   | MG/KG | 0.0367 U                          | 0.0424 U   | 0.0344 U   | 0.0342 U   | 0.0365 U   | 0.0331 U   | 0.0368 U   |            |
| PCB-1248 (Aroclor 1248)         | --  | --                                   | MG/KG | 0.0367 U                          | 0.0424 U   | 0.0344 U   | 0.0342 U   | 0.0365 U   | 0.0331 U   | 0.0368 U   |            |
| PCB-1254 (Aroclor 1254)         | --  | --                                   | MG/KG | 0.0469                            | 0.0424 U   | 0.0344 U   | 0.0342 U   | 0.0365 U   | 0.0331 U   | 0.0368 U   |            |
| PCB-1260 (Aroclor 1260)         | --  | --                                   | MG/KG | 0.0338 J                          | 0.0118 J   | 0.0344 U   | 0.0342 U   | 0.00908 J  | 0.0331 U   | 0.0161 J   |            |
| PCB-1262 (Aroclor 1262)         | --  | --                                   | MG/KG | 0.0367 U                          | 0.0424 U   | 0.0344 U   | 0.0342 U   | 0.0365 U   | 0.0331 U   | 0.0368 U   |            |
| PCB-1268 (Aroclor 1268)         | --  | --                                   | MG/KG | 0.0367 U                          | 0.0424 U   | 0.0344 U   | 0.0342 U   | 0.0365 U   | 0.0331 U   | 0.00547 J  |            |
| Polychlorinated Biphenyl (PCBs) | 3.2   | 25                                   | MG/KG | 0.0807 J                          | 0.0118 J   | 0.0344 U   | 0.0342 U   | 0.00908 J  | 0.0331 U   | 0.0216 J   |            |

**Table 4. Summary of Polychlorinated Biphenyls in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|                                 |   |                                      |       | Sample Designation:               | SB013      | SB013      | SB014      | SB014      | SB014      | SB015      | SB015      |
|---------------------------------|---|--------------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|------------|------------|
|                                 |   |                                      |       | Sample Date:                      | 06/10/2022 | 06/10/2022 | 06/13/2022 | 06/13/2022 | 06/13/2022 | 06/13/2022 | 06/13/2022 |
|                                 |   |                                      |       | Sample Depth (ft bls):            | 6 - 8      | 10 - 12    | 0 - 2      | 10 - 12    | 14 - 16    | 0 - 2      | 6 - 8      |
|                                 |   |                                      |       | Normal Sample or Field Duplicate: | N          | N          | N          | N          | N          | N          | N          |
| Parameter                       | NYSDEC Part 375<br>Protection of<br>Groundwater SCO | NYSDEC Part<br>375 Industrial<br>SCO | Units |                                   |            |            |            |            |            |            |            |
| PCB-1016 (Aroclor 1016)         | --  | --                                   | MG/KG | 0.035 U                           | 0.0342 U   | 0.0333 U   | 0.0341 U   | 0.0352 U   | 0.0352 U   | 0.0337 U   |            |
| PCB-1221 (Aroclor 1221)         | --  | --                                   | MG/KG | 0.035 U                           | 0.0342 U   | 0.0333 U   | 0.0341 U   | 0.0352 U   | 0.0352 U   | 0.0337 U   |            |
| PCB-1232 (Aroclor 1232)         | --  | --                                   | MG/KG | 0.035 U                           | 0.0342 U   | 0.0333 U   | 0.0341 U   | 0.0352 U   | 0.0352 U   | 0.0337 U   |            |
| PCB-1242 (Aroclor 1242)         | --  | --                                   | MG/KG | 0.035 U                           | 0.0342 U   | 0.0333 U   | 0.0341 U   | 0.0352 U   | 0.0352 U   | 0.0337 U   |            |
| PCB-1248 (Aroclor 1248)         | --  | --                                   | MG/KG | 0.035 U                           | 0.0342 U   | 0.0222 J   | 0.0341 U   | 0.0352 U   | 0.0352 U   | 0.0337 U   |            |
| PCB-1254 (Aroclor 1254)         | --  | --                                   | MG/KG | 0.035 U                           | 0.0342 U   | 0.0503     | 0.0341 U   | 0.0352 U   | 0.0352 U   | 0.0337 U   |            |
| PCB-1260 (Aroclor 1260)         | --  | --                                   | MG/KG | 0.0244 J                          | 0.147      | 0.015 J    | 0.0341 U   | 0.0352 U   | 0.0352 U   | 0.0337 U   |            |
| PCB-1262 (Aroclor 1262)         | --  | --                                   | MG/KG | 0.035 U                           | 0.0342 U   | 0.0333 U   | 0.0341 U   | 0.0352 U   | 0.0352 U   | 0.0337 U   |            |
| PCB-1268 (Aroclor 1268)         | --  | --                                   | MG/KG | 0.035 U                           | 0.0342 U   | 0.0333 U   | 0.0341 U   | 0.0352 U   | 0.0352 U   | 0.0337 U   |            |
| Polychlorinated Biphenyl (PCBs) | 3.2   | 25                                   | MG/KG | 0.0244 J                          | 0.147      | 0.0875 J   | 0.0341 U   | 0.0352 U   | 0.0352 U   | 0.0337 U   |            |

**Table 4. Summary of Polychlorinated Biphenyls in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|                                 |   |                                      |       | Sample Designation:               | SB015      | SB016      | SB016      | SB017      | SB017      | SB018      | SB018      |
|---------------------------------|---|--------------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|------------|------------|
|                                 |   |                                      |       | Sample Date:                      | 06/13/2022 | 06/10/2022 | 06/10/2022 | 06/10/2022 | 06/10/2022 | 06/09/2022 | 06/09/2022 |
|                                 |   |                                      |       | Sample Depth (ft bls):            | 12 - 14    | 0 - 2      | 2 - 4      | 0 - 2      | 2 - 4      | 0 - 2      | 2 - 4      |
|                                 |   |                                      |       | Normal Sample or Field Duplicate: | N          | N          | N          | N          | N          | N          | N          |
| Parameter                       | NYSDEC Part 375<br>Protection of<br>Groundwater SCO | NYSDEC Part<br>375 Industrial<br>SCO | Units |                                   |            |            |            |            |            |            |            |
| PCB-1016 (Aroclor 1016)         | --  | --                                   | MG/KG | 0.0387 U                          | 0.0354 U   | 0.0358 U   | 0.036 U    | 0.0352 U   | 0.0346 U   | 0.0349 U   |            |
| PCB-1221 (Aroclor 1221)         | --  | --                                   | MG/KG | 0.0387 U                          | 0.0354 U   | 0.0358 U   | 0.036 U    | 0.0352 U   | 0.0346 U   | 0.0349 U   |            |
| PCB-1232 (Aroclor 1232)         | --  | --                                   | MG/KG | 0.0387 U                          | 0.0354 U   | 0.0358 U   | 0.036 U    | 0.0352 U   | 0.0346 U   | 0.0349 U   |            |
| PCB-1242 (Aroclor 1242)         | --  | --                                   | MG/KG | 0.0387 U                          | 0.0354 U   | 0.0358 U   | 0.036 U    | 0.0352 U   | 0.0346 U   | 0.0349 U   |            |
| PCB-1248 (Aroclor 1248)         | --  | --                                   | MG/KG | 0.0387 U                          | 0.0354 U   | 0.0358 U   | 0.036 U    | 0.0352 U   | 0.0346 U   | 0.0349 U   |            |
| PCB-1254 (Aroclor 1254)         | --  | --                                   | MG/KG | 0.0387 U                          | 0.0354 U   | 0.0358 U   | 0.036 U    | 0.0352 U   | 0.0346 U   | 0.0349 U   |            |
| PCB-1260 (Aroclor 1260)         | --  | --                                   | MG/KG | 0.0387 U                          | 0.0354 U   | 0.0358 U   | 0.036 U    | 0.0208 J   | 0.0346 U   | 0.0349 U   |            |
| PCB-1262 (Aroclor 1262)         | --  | --                                   | MG/KG | 0.0387 U                          | 0.0354 U   | 0.0358 U   | 0.036 U    | 0.0352 U   | 0.0346 U   | 0.0349 U   |            |
| PCB-1268 (Aroclor 1268)         | --  | --                                   | MG/KG | 0.0387 U                          | 0.0354 U   | 0.0358 U   | 0.036 U    | 0.0352 U   | 0.0346 U   | 0.0349 U   |            |
| Polychlorinated Biphenyl (PCBs) | 3.2   | 25                                   | MG/KG | 0.0387 U                          | 0.0354 U   | 0.0358 U   | 0.036 U    | 0.0208 J   | 0.0346 U   | 0.0349 U   |            |

**Table 4. Summary of Polychlorinated Biphenyls in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|                                 |   |                                      |       | Sample Designation:               | SB019      | SB019      | SB020      | SB020      | SB021      | SB021      | SB021      |
|---------------------------------|---|--------------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|------------|------------|
|                                 |   |                                      |       | Sample Date:                      | 06/09/2022 | 06/09/2022 | 06/09/2022 | 06/09/2022 | 06/09/2022 | 06/09/2022 | 06/09/2022 |
|                                 |   |                                      |       | Sample Depth (ft bls):            | 0 - 2      | 2 - 4      | 0 - 2      | 2 - 4      | 0 - 2      | 0 - 2      | 2 - 4      |
|                                 |   |                                      |       | Normal Sample or Field Duplicate: | N          | N          | N          | N          | N          | FD         | N          |
| Parameter                       | NYSDEC Part 375<br>Protection of<br>Groundwater SCO | NYSDEC Part<br>375 Industrial<br>SCO | Units |                                   |            |            |            |            |            |            |            |
| PCB-1016 (Aroclor 1016)         | --  | --                                   | MG/KG | 0.0379 U                          | 0.0355 U   | 0.0338 U   | 0.0342 U   | 0.0351 U   | 0.035 U    | 0.0339 U   |            |
| PCB-1221 (Aroclor 1221)         | --  | --                                   | MG/KG | 0.0379 U                          | 0.0355 U   | 0.0338 U   | 0.0342 U   | 0.0351 U   | 0.035 U    | 0.0339 U   |            |
| PCB-1232 (Aroclor 1232)         | --  | --                                   | MG/KG | 0.0379 U                          | 0.0355 U   | 0.0338 U   | 0.0342 U   | 0.0351 U   | 0.035 U    | 0.0339 U   |            |
| PCB-1242 (Aroclor 1242)         | --  | --                                   | MG/KG | 0.0379 U                          | 0.0355 U   | 0.0338 U   | 0.0342 U   | 0.0351 U   | 0.035 U    | 0.0339 U   |            |
| PCB-1248 (Aroclor 1248)         | --  | --                                   | MG/KG | 0.0379 U                          | 0.0355 U   | 0.0338 U   | 0.0342 U   | 0.0351 U   | 0.035 U    | 0.0339 U   |            |
| PCB-1254 (Aroclor 1254)         | --  | --                                   | MG/KG | 0.111                             | 0.0355 U   | 0.0338 U   | 0.0342 U   | 0.0351 U   | 0.035 U    | 0.0339 U   |            |
| PCB-1260 (Aroclor 1260)         | --  | --                                   | MG/KG | 0.0804                            | 0.0244 J   | 0.0161 J   | 0.0342 U   | 0.0351 U   | 0.0109 J   | 0.0339 U   |            |
| PCB-1262 (Aroclor 1262)         | --  | --                                   | MG/KG | 0.0379 U                          | 0.0355 U   | 0.0338 U   | 0.0342 U   | 0.0351 U   | 0.035 U    | 0.0339 U   |            |
| PCB-1268 (Aroclor 1268)         | --  | --                                   | MG/KG | 0.0379 U                          | 0.0355 U   | 0.0338 U   | 0.0342 U   | 0.0351 U   | 0.035 U    | 0.0339 U   |            |
| Polychlorinated Biphenyl (PCBs) | 3.2   | 25                                   | MG/KG | 0.191                             | 0.0244 J   | 0.0161 J   | 0.0342 U   | 0.0351 U   | 0.0109 J   | 0.0339 U   |            |

**Table 5. Summary of Pesticides and Herbicides in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|   |   |                                      |       | Sample Designation:               |            |            |            |            |            |
|---|---|--------------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|
|   |   |                                      |       | SB011                             | SB011      | SB012      | SB012      | SB012      | SB012      |
|   |   |                                      |       | 05/05/2022                        | 05/05/2022 | 06/10/2022 | 06/10/2022 | 06/10/2022 | 06/10/2022 |
|   |   |                                      |       | Sample Date:                      |            |            |            |            |            |
|   |   |                                      |       | 0 - 2                             | 15 - 17    | 0 - 2      | 12 - 14    | 12 - 14    | 15 - 17    |
|   |   |                                      |       | Sample Depth (ft bls):            |            |            |            |            |            |
|   |   |                                      |       | N                                 | N          | N          | N          | FD         | N          |
|   |   |                                      |       | Normal Sample or Field Duplicate: |            |            |            |            |            |
| Parameter                               | NYSDEC Part 375<br>Protection of<br>Groundwater SCO | NYSDEC Part<br>375 Industrial<br>SCO | Units |                                   |            |            |            |            |            |
| 2,4-(Dichlorophenoxy)butyric acid       | --  | --                                   | MG/KG | 0.182 U                           | 0.219 U    | 0.173 U    | 0.178 U    | 0.183 U    | 0.168 U    |
| 2,4-D (Dichlorophenoxyacetic Acid)      | --  | --                                   | MG/KG | 0.182 U                           | 0.219 U    | 0.173 U    | 0.178 U    | 0.183 U    | 0.168 U    |
| Acetic acid, (2,4,5-trichlorophenoxy)-  | --  | --                                   | MG/KG | 0.182 U                           | 0.219 U    | 0.173 U    | 0.178 U    | 0.183 U    | 0.168 U    |
| Aldrin                                  | 0.19  | 1.4                                  | MG/KG | 0.00175 U                         | 0.00207 U  | 0.00803 U  | 0.00166 U  | 0.00878 U  | 0.00156 U  |
| Alpha Bhc (Alpha Hexachlorocyclohexane) | 0.02  | 6.8                                  | MG/KG | 0.000728 U                        | 0.000862 U | 0.00335 U  | 0.000691 U | 0.00366 U  | 0.000648 U |
| Alpha Endosulfan                        | 102   | 920                                  | MG/KG | 0.00175 U                         | 0.00207 U  | 0.00803 U  | 0.00166 U  | 0.00878 U  | 0.00156 U  |
| Beta Bhc (Beta Hexachlorocyclohexane)   | 0.09  | 14                                   | MG/KG | 0.00175 U                         | 0.00207 U  | 0.00803 U  | 0.00166 U  | 0.00878 U  | 0.00156 U  |
| Beta Endosulfan                         | 102   | 920                                  | MG/KG | 0.00175 U                         | 0.00207 U  | 0.00803 U  | 0.00166 U  | 0.00878 U  | 0.00156 U  |
| Chlordane                               | --  | --                                   | MG/KG | 0.0146 U                          | 0.0172 U   | 0.0669 U   | 0.0138 U   | 0.0732 U   | 0.013 U    |
| cis-Chlordane                           | 2.9   | 47                                   | MG/KG | 0.00179 J                         | 0.00258 U  | 0.01 U     | 0.00207 U  | 0.011 U    | 0.00194 U  |
| Dalapon                                 | --  | --                                   | MG/KG | 0.0365 U                          | 0.0437 U   | 0.0346 U   | 0.0356 U   | 0.0365 U   | 0.0335 U   |
| Delta BHC (Delta Hexachlorocyclohexane) | 0.25  | 1000                                 | MG/KG | 0.00175 U                         | 0.00207 U  | 0.00803 U  | 0.00166 U  | 0.00878 U  | 0.00156 U  |
| Dicamba                                 | --  | --                                   | MG/KG | 0.0365 U                          | 0.0437 U   | 0.0346 U   | 0.0356 U   | 0.0365 U   | 0.0335 U   |
| Dichloroprop                            | --  | --                                   | MG/KG | 0.0365 U                          | 0.0437 U   | 0.0346 U   | 0.0356 U   | 0.0365 U   | 0.0335 U   |
| Dieldrin                                | 0.1   | 2.8                                  | MG/KG | 0.00109 U                         | 0.00129 U  | 0.00502 U  | 0.00104 U  | 0.00549 U  | 0.000972 U |
| Endosulfan Sulfate                      | 1000  | 920                                  | MG/KG | 0.000728 U                        | 0.000862 U | 0.00335 U  | 0.000691 U | 0.00366 U  | 0.000648 U |
| Endrin                                  | 0.06  | 410                                  | MG/KG | 0.000728 U                        | 0.000862 U | 0.00335 U  | 0.000691 U | 0.00366 U  | 0.000648 U |
| Endrin Aldehyde                         | --  | --                                   | MG/KG | 0.00218 U                         | 0.00258 U  | 0.01 U     | 0.00207 U  | 0.011 U    | 0.00194 U  |
| Endrin Ketone                           | --  | --                                   | MG/KG | 0.00175 U                         | 0.00207 U  | 0.00803 U  | 0.00166 U  | 0.00878 U  | 0.00156 U  |
| Gamma Bhc (Lindane)                     | 0.1   | 23                                   | MG/KG | 0.000728 U                        | 0.000862 U | 0.00335 U  | 0.000691 U | 0.00366 U  | 0.000648 U |
| Heptachlor                              | 0.38  | 29                                   | MG/KG | 0.000874 U                        | 0.00103 U  | 0.00402 U  | 0.000829 U | 0.00439 U  | 0.000778 U |
| Heptachlor Epoxide                      | --  | --                                   | MG/KG | 0.00328 U                         | 0.00388 U  | 0.0151 U   | 0.00311 U  | 0.0165 U   | 0.00292 U  |
| MCPA                                    | --  | --                                   | MG/KG | 3.65 U                            | 4.37 U     | 3.46 U     | 3.56 U     | 3.65 U     | 3.35 U     |
| Methoxychlor                            | --  | --                                   | MG/KG | 0.00328 U                         | 0.00388 U  | 0.0151 U   | 0.00311 U  | 0.0165 U   | 0.00292 U  |
| P,P'-DDD                                | 14  | 180                                  | MG/KG | 0.000694 J                        | 0.00207 U  | 0.00803 U  | 0.00463    | 0.00878 U  | 0.00156 U  |
| P,P'-DDE                                | 17  | 120                                  | MG/KG | 0.00125 J                         | 0.00207 U  | 0.00803 U  | 0.00257    | 0.00878 U  | 0.00156 U  |
| P,P'-DDT                                | 136   | 94                                   | MG/KG | 0.00328 U                         | 0.00388 U  | 0.0151 U   | 0.00507    | 0.0165 U   | 0.00292 U  |
| Silvex (2,4,5-TP)                       | 3.8   | 1000                                 | MG/KG | 0.182 U                           | 0.219 U    | 0.173 U    | 0.178 U    | 0.183 U    | 0.168 U    |
| Toxaphene                               | --  | --                                   | MG/KG | 0.0328 U                          | 0.0388 U   | 0.151 U    | 0.0311 U   | 0.165 U    | 0.0292 U   |
| trans-Chlordane                         | --  | --                                   | MG/KG | 0.00281                           | 0.00258 U  | 0.01 U     | 0.00207 U  | 0.011 U    | 0.00194 U  |

**Table 5. Summary of Pesticides and Herbicides in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|   |   |                                |       | Sample Designation:               |            |            |            |            |            |
|---|---|--------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|
|   |   |                                |       | SB013                             | SB013      | SB013      | SB014      | SB014      | SB014      |
|   |   |                                |       | 06/10/2022                        | 06/10/2022 | 06/10/2022 | 06/13/2022 | 06/13/2022 | 06/13/2022 |
|   |   |                                |       | 0 - 2                             | 6 - 8      | 10 - 12    | 0 - 2      | 10 - 12    | 14 - 16    |
|   |   |                                |       | N                                 | N          | N          | N          | N          | N          |
|   |   |                                |       | Normal Sample or Field Duplicate: |            |            |            |            |            |
| Parameter                               | NYSDEC Part 375 Protection of Groundwater SCO | NYSDEC Part 375 Industrial SCO | Units |                                   |            |            |            |            |            |
| 2,4-(Dichlorophenoxy)butyric acid       | --  | --                             | MG/KG | 0.18 U                            | 0.177 U    | 0.174 U    | 0.168 U    | 0.178 U    | 0.183 U    |
| 2,4-D (Dichlorophenoxyacetic Acid)      | --  | --                             | MG/KG | 0.18 U                            | 0.177 U    | 0.174 U    | 0.168 U    | 0.178 U    | 0.183 U    |
| Acetic acid, (2,4,5-trichlorophenoxy)-  | --  | --                             | MG/KG | 0.18 U                            | 0.177 U    | 0.174 U    | 0.168 U    | 0.178 U    | 0.183 U    |
| Aldrin                                  | 0.19  | 1.4                            | MG/KG | 0.00843 U                         | 0.00163 U  | 0.00163 U  | 0.00156 U  | 0.00845 U  | 0.00168 U  |
| Alpha Bhc (Alpha Hexachlorocyclohexane) | 0.02  | 6.8                            | MG/KG | 0.00351 U                         | 0.000678 U | 0.00068 U  | 0.000649 U | 0.00352 U  | 0.000699 U |
| Alpha Endosulfan                        | 102   | 920                            | MG/KG | 0.00843 U                         | 0.00163 U  | 0.00163 U  | 0.00156 U  | 0.00845 U  | 0.00168 U  |
| Beta Bhc (Beta Hexachlorocyclohexane)   | 0.09  | 14                             | MG/KG | 0.00843 U                         | 0.00163 U  | 0.00163 U  | 0.00156 U  | 0.00845 U  | 0.00168 U  |
| Beta Endosulfan                         | 102   | 920                            | MG/KG | 0.00843 U                         | 0.00163 U  | 0.00163 U  | 0.00156 U  | 0.00845 U  | 0.00168 U  |
| Chlordane                               | --  | --                             | MG/KG | 0.0702 U                          | 0.0136 U   | 0.0136 U   | 0.013 U    | 0.0704 U   | 0.014 U    |
| cis-Chlordane                           | 2.9   | 47                             | MG/KG | 0.0105 U                          | 0.00204 U  | 0.00204 U  | 0.00194 U  | 0.0106 U   | 0.0021 U   |
| Dalapon                                 | --  | --                             | MG/KG | 0.036 U                           | 0.0354 U   | 0.0347 U   | 0.0335 U   | 0.0356 U   | 0.0366 U   |
| Delta BHC (Delta Hexachlorocyclohexane) | 0.25  | 1000                           | MG/KG | 0.00843 U                         | 0.00163 U  | 0.00163 U  | 0.00156 U  | 0.00845 U  | 0.00168 U  |
| Dicamba                                 | --  | --                             | MG/KG | 0.036 U                           | 0.0354 U   | 0.0347 U   | 0.0335 U   | 0.0356 U   | 0.0366 U   |
| Dichloroprop                            | --  | --                             | MG/KG | 0.036 U                           | 0.0354 U   | 0.0347 U   | 0.0335 U   | 0.0356 U   | 0.0366 U   |
| Dieldrin                                | 0.1   | 2.8                            | MG/KG | 0.00527 U                         | 0.00102 U  | 0.00102 U  | 0.000973 U | 0.00528 U  | 0.00105 U  |
| Endosulfan Sulfate                      | 1000  | 920                            | MG/KG | 0.00351 U                         | 0.000678 U | 0.00068 U  | 0.000649 U | 0.00352 U  | 0.000699 U |
| Endrin                                  | 0.06  | 410                            | MG/KG | 0.00351 U                         | 0.000678 U | 0.00068 U  | 0.000649 U | 0.00352 U  | 0.000699 U |
| Endrin Aldehyde                         | --  | --                             | MG/KG | 0.0105 U                          | 0.00204 U  | 0.00204 U  | 0.00194 U  | 0.0106 U   | 0.0021 U   |
| Endrin Ketone                           | --  | --                             | MG/KG | 0.00843 U                         | 0.00163 U  | 0.00163 U  | 0.00156 U  | 0.00845 U  | 0.00168 U  |
| Gamma Bhc (Lindane)                     | 0.1   | 23                             | MG/KG | 0.00351 U                         | 0.000678 U | 0.00068 U  | 0.000649 U | 0.00352 U  | 0.000699 U |
| Heptachlor                              | 0.38  | 29                             | MG/KG | 0.00421 U                         | 0.000814 U | 0.000816 U | 0.000778 U | 0.00422 U  | 0.000839 U |
| Heptachlor Epoxide                      | --  | --                             | MG/KG | 0.0158 U                          | 0.00305 U  | 0.00306 U  | 0.00292 U  | 0.0158 U   | 0.00314 U  |
| MCPA                                    | --  | --                             | MG/KG | 3.6 U                             | 3.54 U     | 3.47 U     | 3.35 U     | 3.56 U     | 3.66 U     |
| Methoxychlor                            | --  | --                             | MG/KG | 0.0158 U                          | 0.00305 U  | 0.00306 U  | 0.00292 U  | 0.0158 U   | 0.00314 U  |
| P,P'-DDD                                | 14  | 180                            | MG/KG | 0.00843 U                         | 0.00163 U  | 0.00163 U  | 0.00156 U  | 0.00845 U  | 0.00168 U  |
| P,P'-DDE                                | 17  | 120                            | MG/KG | 0.00843 U                         | 0.000806 J | 0.00163 U  | 0.000828 J | 0.00845 U  | 0.00168 U  |
| P,P'-DDT                                | 136   | 94                             | MG/KG | 0.0158 U                          | 0.00305 U  | 0.00306 U  | 0.00292 U  | 0.0158 U   | 0.00314 U  |
| Silvex (2,4,5-TP)                       | 3.8   | 1000                           | MG/KG | 0.18 U                            | 0.177 U    | 0.174 U    | 0.168 U    | 0.178 U    | 0.183 U    |
| Toxaphene                               | --  | --                             | MG/KG | 0.158 U                           | 0.0305 U   | 0.0306 U   | 0.0292 U   | 0.158 U    | 0.0314 U   |
| trans-Chlordane                         | --  | --                             | MG/KG | 0.0105 U                          | 0.00204 U  | 0.00204 U  | 0.00194 U  | 0.0106 U   | 0.0021 U   |

**Table 5. Summary of Pesticides and Herbicides in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|   |   |                                |       | Sample Designation:               |            |            |            |            |            |
|---|---|--------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|
|   |   |                                |       | SB015                             | SB015      | SB015      | SB016      | SB016      | SB017      |
|   |   |                                |       | 06/13/2022                        | 06/13/2022 | 06/13/2022 | 06/10/2022 | 06/10/2022 | 06/10/2022 |
|   |   |                                |       | Sample Date:                      |            |            |            |            |            |
|   |   |                                |       | 0 - 2                             | 6 - 8      | 12 - 14    | 0 - 2      | 2 - 4      | 0 - 2      |
|   |   |                                |       | Sample Depth (ft bls):            |            |            |            |            |            |
|   |   |                                |       | N                                 | N          | N          | N          | N          | N          |
|   |   |                                |       | Normal Sample or Field Duplicate: |            |            |            |            |            |
| Parameter                               | NYSDEC Part 375 Protection of Groundwater SCO | NYSDEC Part 375 Industrial SCO | Units |                                   |            |            |            |            |            |
| 2,4-(Dichlorophenoxy)butyric acid       | --  | --                             | MG/KG | 0.179 U                           | 0.173 U    | 0.2 U      | 0.176 U    | 0.182 U    | 0.178 U    |
| 2,4-D (Dichlorophenoxyacetic Acid)      | --  | --                             | MG/KG | 0.179 U                           | 0.173 U    | 0.2 U      | 0.176 U    | 0.182 U    | 0.178 U    |
| Acetic acid, (2,4,5-trichlorophenoxy)-  | --  | --                             | MG/KG | 0.179 U                           | 0.173 U    | 0.2 U      | 0.176 U    | 0.182 U    | 0.178 U    |
| Aldrin                                  | 0.19  | 1.4                            | MG/KG | 0.0168 U                          | 0.00166 U  | 0.00183 U  | 0.00165 U  | 0.0017 U   | 0.00165 U  |
| Alpha Bhc (Alpha Hexachlorocyclohexane) | 0.02  | 6.8                            | MG/KG | 0.00699 U                         | 0.000693 U | 0.000763 U | 0.000689 U | 0.000709 U | 0.000688 U |
| Alpha Endosulfan                        | 102   | 920                            | MG/KG | 0.0168 U                          | 0.00166 U  | 0.00183 U  | 0.00165 U  | 0.0017 U   | 0.00165 U  |
| Beta Bhc (Beta Hexachlorocyclohexane)   | 0.09  | 14                             | MG/KG | 0.0168 U                          | 0.00166 U  | 0.00183 U  | 0.00165 U  | 0.0017 U   | 0.00165 U  |
| Beta Endosulfan                         | 102   | 920                            | MG/KG | 0.0168 U                          | 0.00166 U  | 0.00183 U  | 0.00165 U  | 0.0017 U   | 0.00165 U  |
| Chlordane                               | --  | --                             | MG/KG | 0.14 U                            | 0.0138 U   | 0.0152 U   | 0.0138 U   | 0.0142 U   | 0.0138 U   |
| cis-Chlordane                           | 2.9   | 47                             | MG/KG | 0.021 U                           | 0.00208 U  | 0.00229 U  | 0.00207 U  | 0.00213 U  | 0.00206 U  |
| Dalapon                                 | --  | --                             | MG/KG | 0.0358 U                          | 0.0347 U   | 0.04 U     | 0.0353 U   | 0.0365 U   | 0.0357 U   |
| Delta BHC (Delta Hexachlorocyclohexane) | 0.25  | 1000                           | MG/KG | 0.0168 U                          | 0.00166 U  | 0.00183 U  | 0.00165 U  | 0.0017 U   | 0.00165 U  |
| Dicamba                                 | --  | --                             | MG/KG | 0.0358 U                          | 0.0347 U   | 0.04 U     | 0.0353 U   | 0.0365 U   | 0.0357 U   |
| Dichloroprop                            | --  | --                             | MG/KG | 0.0358 U                          | 0.0347 U   | 0.04 U     | 0.0353 U   | 0.0365 U   | 0.0357 U   |
| Dieldrin                                | 0.1   | 2.8                            | MG/KG | 0.0105 U                          | 0.00104 U  | 0.00114 U  | 0.00103 U  | 0.00106 U  | 0.00103 U  |
| Endosulfan Sulfate                      | 1000  | 920                            | MG/KG | 0.00699 U                         | 0.000693 U | 0.000763 U | 0.000689 U | 0.000709 U | 0.000688 U |
| Endrin                                  | 0.06  | 410                            | MG/KG | 0.00699 U                         | 0.000693 U | 0.000763 U | 0.000689 U | 0.000709 U | 0.000688 U |
| Endrin Aldehyde                         | --  | --                             | MG/KG | 0.021 U                           | 0.00208 U  | 0.00229 U  | 0.00207 U  | 0.00213 U  | 0.00206 U  |
| Endrin Ketone                           | --  | --                             | MG/KG | 0.0168 U                          | 0.00166 U  | 0.00183 U  | 0.00165 U  | 0.0017 U   | 0.00165 U  |
| Gamma Bhc (Lindane)                     | 0.1   | 23                             | MG/KG | 0.00699 U                         | 0.000693 U | 0.000763 U | 0.000689 U | 0.000709 U | 0.000688 U |
| Heptachlor                              | 0.38  | 29                             | MG/KG | 0.00839 U                         | 0.000832 U | 0.000915 U | 0.000827 U | 0.000851 U | 0.000826 U |
| Heptachlor Epoxide                      | --  | --                             | MG/KG | 0.0315 U                          | 0.00312 U  | 0.00343 U  | 0.0031 U   | 0.00319 U  | 0.0031 U   |
| MCPA                                    | --  | --                             | MG/KG | 3.58 U                            | 3.47 U     | 4 U        | 3.53 U     | 3.65 U     | 3.57 U     |
| Methoxychlor                            | --  | --                             | MG/KG | 0.0315 U                          | 0.00312 U  | 0.00343 U  | 0.0031 U   | 0.00319 U  | 0.0031 U   |
| P,P'-DDD                                | 14  | 180                            | MG/KG | 0.0168 U                          | 0.00166 U  | 0.00183 U  | 0.00165 U  | 0.0017 U   | 0.00165 U  |
| P,P'-DDE                                | 17  | 120                            | MG/KG | 0.0168 U                          | 0.00166 U  | 0.00183 U  | 0.0014 J   | 0.00237    | 0.00129 JP |
| P,P'-DDT                                | 136   | 94                             | MG/KG | 0.0315 U                          | 0.00312 U  | 0.00343 U  | 0.00374 P  | 0.00319 U  | 0.0031 U   |
| Silvex (2,4,5-TP)                       | 3.8   | 1000                           | MG/KG | 0.179 U                           | 0.173 U    | 0.2 U      | 0.176 U    | 0.182 U    | 0.178 U    |
| Toxaphene                               | --  | --                             | MG/KG | 0.315 U                           | 0.0312 U   | 0.0343 U   | 0.031 U    | 0.0319 U   | 0.031 U    |
| trans-Chlordane                         | --  | --                             | MG/KG | 0.021 U                           | 0.00208 U  | 0.00229 U  | 0.000562 J | 0.00213 U  | 0.00206 U  |



Table 5. Summary of Pesticides and Herbicides in Soil, 40-40 Northern Boulevard, Long Island City, New York

DRAFT

|   |   |                                |       | Sample Designation:               | SB017      | SB018      | SB018      | SB019      | SB019      | SB020      |
|---|---|--------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|------------|
|   |   |                                |       | Sample Date:                      | 06/10/2022 | 06/09/2022 | 06/09/2022 | 06/09/2022 | 06/09/2022 | 06/09/2022 |
|   |   |                                |       | Sample Depth (ft bls):            | 2 - 4      | 0 - 2      | 2 - 4      | 0 - 2      | 2 - 4      | 0 - 2      |
|   |   |                                |       | Normal Sample or Field Duplicate: | N          | N          | N          | N          | N          | N          |
| Parameter                               | NYSDEC Part 375 Protection of Groundwater SCO | NYSDEC Part 375 Industrial SCO | Units |                                   |            |            |            |            |            |            |
| 2,4-(Dichlorophenoxy)butyric acid       | --  | --                             | MG/KG | 0.174 U                           | 0.175 U    | 0.178 U    | 0.191 U    | 0.183 U    | 0.176 U    |            |
| 2,4-D (Dichlorophenoxyacetic Acid)      | --  | --                             | MG/KG | 0.174 U                           | 0.175 U    | 0.178 U    | 0.191 U    | 0.183 U    | 0.176 U    |            |
| Acetic acid, (2,4,5-trichlorophenoxy)-  | --  | --                             | MG/KG | 0.174 U                           | 0.175 U    | 0.178 U    | 0.191 U    | 0.183 U    | 0.176 U    |            |
| Aldrin                                  | 0.19  | 1.4                            | MG/KG | 0.00164 U                         | 0.00838 U  | 0.00869 U  | 0.00184 U  | 0.0174 U   | 0.00846 U  |            |
| Alpha Bhc (Alpha Hexachlorocyclohexane) | 0.02  | 6.8                            | MG/KG | 0.000684 U                        | 0.00349 U  | 0.00362 U  | 0.000765 U | 0.00726 U  | 0.00352 U  |            |
| Alpha Endosulfan                        | 102   | 920                            | MG/KG | 0.00164 U                         | 0.00838 U  | 0.00869 U  | 0.00184 U  | 0.0174 U   | 0.00846 U  |            |
| Beta Bhc (Beta Hexachlorocyclohexane)   | 0.09  | 14                             | MG/KG | 0.00164 U                         | 0.00838 U  | 0.00869 U  | 0.00184 U  | 0.0174 U   | 0.00435 J  |            |
| Beta Endosulfan                         | 102   | 920                            | MG/KG | 0.00164 U                         | 0.00838 U  | 0.00869 U  | 0.00184 U  | 0.0174 U   | 0.00846 U  |            |
| Chlordane                               | --  | --                             | MG/KG | 0.0137 U                          | 0.0698 U   | 0.0724 U   | 0.0153 U   | 0.145 U    | 0.0705 U   |            |
| cis-Chlordane                           | 2.9   | 47                             | MG/KG | 0.00205 U                         | 0.0105 U   | 0.0108 U   | 0.00124 J  | 0.0218 U   | 0.0106 U   |            |
| Dalapon                                 | --  | --                             | MG/KG | 0.0348 U                          | 0.0351 U   | 0.0355 U   | 0.0381 U   | 0.0366 U   | 0.0353 U   |            |
| Delta BHC (Delta Hexachlorocyclohexane) | 0.25  | 1000                           | MG/KG | 0.00164 U                         | 0.00838 U  | 0.00869 U  | 0.00184 U  | 0.0174 U   | 0.00846 U  |            |
| Dicamba                                 | --  | --                             | MG/KG | 0.0348 U                          | 0.0351 U   | 0.0355 U   | 0.0381 U   | 0.0366 U   | 0.0353 U   |            |
| Dichloroprop                            | --  | --                             | MG/KG | 0.0348 U                          | 0.0351 U   | 0.0355 U   | 0.0381 U   | 0.0366 U   | 0.0353 U   |            |
| Dieldrin                                | 0.1   | 2.8                            | MG/KG | 0.00102 U                         | 0.00524 U  | 0.00543 U  | 0.00115 U  | 0.0109 U   | 0.00528 U  |            |
| Endosulfan Sulfate                      | 1000  | 920                            | MG/KG | 0.000684 U                        | 0.00349 U  | 0.00362 U  | 0.000765 U | 0.00726 U  | 0.00352 U  |            |
| Endrin                                  | 0.06  | 410                            | MG/KG | 0.000684 U                        | 0.00349 U  | 0.00362 U  | 0.000765 U | 0.00726 U  | 0.00352 U  |            |
| Endrin Aldehyde                         | --  | --                             | MG/KG | 0.00205 U                         | 0.0105 U   | 0.0108 U   | 0.0023 U   | 0.0218 U   | 0.0106 U   |            |
| Endrin Ketone                           | --  | --                             | MG/KG | 0.00164 U                         | 0.00838 U  | 0.00869 U  | 0.00184 U  | 0.0174 U   | 0.00846 U  |            |
| Gamma Bhc (Lindane)                     | 0.1   | 23                             | MG/KG | 0.000684 U                        | 0.00349 U  | 0.00362 U  | 0.000765 U | 0.00726 U  | 0.00352 U  |            |
| Heptachlor                              | 0.38  | 29                             | MG/KG | 0.000821 U                        | 0.00419 U  | 0.00434 U  | 0.000918 U | 0.00871 U  | 0.00423 U  |            |
| Heptachlor Epoxide                      | --  | --                             | MG/KG | 0.00308 U                         | 0.0157 U   | 0.0163 U   | 0.00344 U  | 0.0326 U   | 0.0158 U   |            |
| MCPA                                    | --  | --                             | MG/KG | 3.48 U                            | 3.51 U     | 3.55 U     | 3.81 U     | 3.66 U     | 3.53 U     |            |
| Methoxychlor                            | --  | --                             | MG/KG | 0.00308 U                         | 0.0157 U   | 0.0163 U   | 0.00344 U  | 0.0326 U   | 0.0158 U   |            |
| P,P'-DDD                                | 14  | 180                            | MG/KG | 0.00164 U                         | 0.00838 U  | 0.00869 U  | 0.0136     | 0.0174 U   | 0.00846 U  |            |
| P,P'-DDE                                | 17  | 120                            | MG/KG | 0.00469                           | 0.00838 U  | 0.00869 U  | 0.00184 U  | 0.0174 U   | 0.00566 JP |            |
| P,P'-DDT                                | 136   | 94                             | MG/KG | 0.0127                            | 0.0157 U   | 0.0163 U   | 0.00344 U  | 0.0326 U   | 0.0158 U   |            |
| Silvex (2,4,5-TP)                       | 3.8   | 1000                           | MG/KG | 0.174 U                           | 0.175 U    | 0.178 U    | 0.191 U    | 0.183 U    | 0.176 U    |            |
| Toxaphene                               | --  | --                             | MG/KG | 0.0308 U                          | 0.157 U    | 0.163 U    | 0.0344 U   | 0.326 U    | 0.158 U    |            |
| trans-Chlordane                         | --  | --                             | MG/KG | 0.00205 U                         | 0.0105 U   | 0.0108 U   | 0.0023 U   | 0.0218 U   | 0.0106 U   |            |

**Table 5. Summary of Pesticides and Herbicides in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|   |   |                                      |       | Sample Designation:               | SB020      | SB021      | SB021      | SB021      |
|---|---|--------------------------------------|-------|-----------------------------------|------------|------------|------------|------------|
|   |   |                                      |       | Sample Date:                      | 06/09/2022 | 06/09/2022 | 06/09/2022 | 06/09/2022 |
|   |   |                                      |       | Sample Depth (ft bls):            | 2 - 4      | 0 - 2      | 0 - 2      | 2 - 4      |
|   |   |                                      |       | Normal Sample or Field Duplicate: | N          | N          | FD         | N          |
| Parameter                               | NYSDEC Part 375<br>Protection of<br>Groundwater SCO | NYSDEC Part<br>375 Industrial<br>SCO | Units |                                   |            |            |            |            |
| 2,4-(Dichlorophenoxy)butyric acid       | --  | --                                   | MG/KG | 0.171 U                           | 0.176 U    | 0.353 U    | 0.177 U    |            |
| 2,4-D (Dichlorophenoxyacetic Acid)      | --  | --                                   | MG/KG | 0.171 U                           | 0.176 U    | 0.353 U    | 0.177 U    |            |
| Acetic acid, (2,4,5-trichlorophenoxy)-  | --  | --                                   | MG/KG | 0.171 U                           | 0.176 U    | 0.353 U    | 0.177 U    |            |
| Aldrin                                  | 0.19  | 1.4                                  | MG/KG | 0.00162 U                         | 0.016 U    | 0.0164 U   | 0.0164 U   |            |
| Alpha Bhc (Alpha Hexachlorocyclohexane) | 0.02  | 6.8                                  | MG/KG | 0.000674 U                        | 0.00668 U  | 0.00682 U  | 0.00682 U  |            |
| Alpha Endosulfan                        | 102   | 920                                  | MG/KG | 0.00162 U                         | 0.016 U    | 0.0164 U   | 0.0164 U   |            |
| Beta Bhc (Beta Hexachlorocyclohexane)   | 0.09  | 14                                   | MG/KG | 0.00162 U                         | 0.016 U    | 0.0164 U   | 0.0164 U   |            |
| Beta Endosulfan                         | 102   | 920                                  | MG/KG | 0.00162 U                         | 0.016 U    | 0.0164 U   | 0.0164 U   |            |
| Chlordane                               | --  | --                                   | MG/KG | 0.0135 U                          | 0.134 U    | 0.136 U    | 0.136 U    |            |
| cis-Chlordane                           | 2.9   | 47                                   | MG/KG | 0.00202 U                         | 0.02 U     | 0.0205 U   | 0.0204 U   |            |
| Dalapon                                 | --  | --                                   | MG/KG | 0.0342 U                          | 0.0352 U   | 0.0706 U   | 0.0354 U   |            |
| Delta BHC (Delta Hexachlorocyclohexane) | 0.25  | 1000                                 | MG/KG | 0.00162 U                         | 0.016 U    | 0.0164 U   | 0.0164 U   |            |
| Dicamba                                 | --  | --                                   | MG/KG | 0.0342 U                          | 0.0352 U   | 0.0706 U   | 0.0354 U   |            |
| Dichloroprop                            | --  | --                                   | MG/KG | 0.0342 U                          | 0.0352 U   | 0.0706 U   | 0.0354 U   |            |
| Dieldrin                                | 0.1   | 2.8                                  | MG/KG | 0.00101 U                         | 0.01 U     | 0.0102 U   | 0.0102 U   |            |
| Endosulfan Sulfate                      | 1000  | 920                                  | MG/KG | 0.000674 U                        | 0.00668 U  | 0.00682 U  | 0.00682 U  |            |
| Endrin                                  | 0.06  | 410                                  | MG/KG | 0.000674 U                        | 0.00668 U  | 0.00682 U  | 0.00682 U  |            |
| Endrin Aldehyde                         | --  | --                                   | MG/KG | 0.00202 U                         | 0.02 U     | 0.0205 U   | 0.0204 U   |            |
| Endrin Ketone                           | --  | --                                   | MG/KG | 0.00162 U                         | 0.016 U    | 0.0164 U   | 0.0164 U   |            |
| Gamma Bhc (Lindane)                     | 0.1   | 23                                   | MG/KG | 0.000674 U                        | 0.00668 U  | 0.00682 U  | 0.00682 U  |            |
| Heptachlor                              | 0.38  | 29                                   | MG/KG | 0.000808 U                        | 0.00802 U  | 0.00818 U  | 0.00818 U  |            |
| Heptachlor Epoxide                      | --  | --                                   | MG/KG | 0.00303 U                         | 0.0301 U   | 0.0307 U   | 0.0307 U   |            |
| MCPA                                    | --  | --                                   | MG/KG | 3.42 U                            | 3.52 U     | 7.06 U     | 3.54 U     |            |
| Methoxychlor                            | --  | --                                   | MG/KG | 0.00303 U                         | 0.0301 U   | 0.0307 U   | 0.0307 U   |            |
| P,P'-DDD                                | 14  | 180                                  | MG/KG | 0.00162 U                         | 0.016 U    | 0.0164 U   | 0.0164 U   |            |
| P,P'-DDE                                | 17  | 120                                  | MG/KG | 0.00162 U                         | 0.016 U    | 0.0164 U   | 0.0164 U   |            |
| P,P'-DDT                                | 136   | 94                                   | MG/KG | 0.00303 U                         | 0.0301 U   | 0.0307 U   | 0.0307 U   |            |
| Silvex (2,4,5-TP)                       | 3.8   | 1000                                 | MG/KG | 0.171 U                           | 0.176 U    | 0.353 U    | 0.177 U    |            |
| Toxaphene                               | --  | --                                   | MG/KG | 0.0303 U                          | 0.301 U    | 0.307 U    | 0.307 U    |            |
| trans-Chlordane                         | --  | --                                   | MG/KG | 0.00202 U                         | 0.02 U     | 0.0205 U   | 0.0204 U   |            |

**Table 6. Summary of Per- and Polyfluoroalkyl Substances in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|   |  |                               |       | Sample Designation:               | SB011      | SB011      | SB012      | SB012      | SB012      |
|---|--|-------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|
|   |  |                               |       | Sample Date:                      | 05/05/2022 | 05/05/2022 | 06/10/2022 | 06/10/2022 | 06/10/2022 |
|   |  |                               |       | Sample Depth (ft bls):            | 0 - 2      | 15 - 17    | 0 - 2      | 12 - 14    | 12 - 14    |
|   |  |                               |       | Normal Sample or Field Duplicate: | N          | N          | N          | N          | FD         |
| Parameter   | NYSDEC Part 375 Protection of Groundwater GV | NYSDEC Part 375 Industrial GV | Units |                                   |            |            |            |            |            |
| 2-(N-methyl perfluorooctanesulfonamido) acetic acid | --   | --                            | NG/G  | 0.532 U                           | 0.554 U    | 0.498 U    | 0.499 U    | 0.546 U    |            |
| N-ethyl perfluorooctanesulfonamidoacetic acid       | --   | --                            | NG/G  | 0.185 J                           | 0.554 U    | 0.498 U    | 0.499 U    | 0.546 U    |            |
| Perfluorobutanesulfonic acid (PFBS)                 | --   | --                            | NG/G  | 0.266 U                           | 0.277 U    | 0.249 U    | 0.25 U     | 0.273 U    |            |
| Perfluorobutanoic Acid                              | --   | --                            | NG/G  | 0.532 U                           | 0.554 U    | 0.498 U    | 0.499 U    | 0.546 U    |            |
| Perfluorodecane Sulfonic Acid                       | --   | --                            | NG/G  | 0.942                             | 0.554 U    | 0.498 U    | 0.499 U    | 0.546 U    |            |
| Perfluorodecanoic acid (PFDA)                       | --   | --                            | NG/G  | 0.266 U                           | 0.277 U    | 0.249 U    | 0.25 U     | 0.273 U    |            |
| Perfluorododecanoic acid (PFDoA)                    | --   | --                            | NG/G  | 0.532 U                           | 0.554 U    | 0.498 U    | 0.499 U    | 0.546 U    |            |
| Perfluoroheptane Sulfonate (PFHPS)                  | --   | --                            | NG/G  | 0.532 U                           | 0.554 U    | 0.498 U    | 0.499 U    | 0.546 U    |            |
| Perfluoroheptanoic acid (PFHpA)                     | --   | --                            | NG/G  | 0.266 U                           | 0.277 U    | 0.249 U    | 0.25 U     | 0.273 U    |            |
| Perfluorohexanesulfonic acid (PFHxS)                | --   | --                            | NG/G  | 0.266 U                           | 0.277 U    | 0.249 U    | 0.25 U     | 0.273 U    |            |
| Perfluorohexanoic acid (PFHxA)                      | --   | --                            | NG/G  | 0.532 U                           | 0.554 U    | 0.498 U    | 0.499 U    | 0.546 U    |            |
| Perfluorononanoic acid (PFNA)                       | --   | --                            | NG/G  | 0.266 U                           | 0.277 U    | 0.249 U    | 0.25 U     | 0.273 U    |            |
| Perfluorooctane Sulfonamide (FOSA)                  | --   | --                            | NG/G  | 0.532 U                           | 0.554 U    | 0.498 U    | 0.499 U    | 0.546 U    |            |
| Perfluorooctanesulfonic acid (PFOS)                 | 3.7  | 440                           | NG/G  | 0.942                             | 0.277 U    | 2.13 F     | 0.256      | 0.273 U    |            |
| Perfluorooctanoic acid (PFOA)                       | 1.1  | 600                           | NG/G  | 0.266 U                           | 0.17 JF    | 0.088 J    | 0.225 J    | 1          |            |
| Perfluoropentanoic Acid (PFPeA)                     | --   | --                            | NG/G  | 0.532 U                           | 0.554 U    | 0.498 U    | 0.499 U    | 0.546 U    |            |
| Perfluorotetradecanoic acid (PFTA)                  | --   | --                            | NG/G  | 0.532 U                           | 0.554 U    | 0.498 U    | 0.499 U    | 0.546 U    |            |
| Perfluorotridecanoic Acid (PFTriA)                  | --   | --                            | NG/G  | 0.532 U                           | 0.554 U    | 0.498 U    | 0.499 U    | 0.546 U    |            |
| Perfluoroundecanoic Acid (PFUnA)                    | --   | --                            | NG/G  | 0.532 U                           | 0.554 U    | 0.498 U    | 0.499 U    | 0.546 U    |            |
| Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)  | --   | --                            | NG/G  | 0.532 U                           | 0.554 U    | 0.498 U    | 0.499 U    | 0.546 U    |            |
| Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)  | --   | --                            | NG/G  | 0.532 U                           | 0.554 U    | 0.498 U    | 0.499 U    | 0.546 U    |            |
| TOTAL PFOA AND PFOS                                 | --   | --                            | NG/G  | 0.942                             | 0.17 J     | 2.22 J     | 0.481 J    | 1          |            |

**Table 6. Summary of Per- and Polyfluoroalkyl Substances in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|   |  |                               |       | Sample Designation:               | SB012      | SB013      | SB013      | SB013      | SB014      |
|---|--|-------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|
|   |  |                               |       | Sample Date:                      | 06/10/2022 | 06/10/2022 | 06/10/2022 | 06/10/2022 | 06/13/2022 |
|   |  |                               |       | Sample Depth (ft bls):            | 15 - 17    | 0 - 2      | 6 - 8      | 10 - 12    | 0 - 2      |
|   |  |                               |       | Normal Sample or Field Duplicate: | N          | N          | N          | N          | N          |
| Parameter   | NYSDEC Part 375 Protection of Groundwater GV | NYSDEC Part 375 Industrial GV | Units |                                   |            |            |            |            |            |
| 2-(N-methyl perfluorooctanesulfonamido) acetic acid | --   | --                            | NG/G  | 0.496 U                           | 0.52 U     | 0.49 U     | 0.496 U    | 0.452 U    |            |
| N-ethyl perfluorooctanesulfonamidoacetic acid       | --   | --                            | NG/G  | 0.496 U                           | 0.52 U     | 0.49 U     | 0.496 U    | 0.452 U    |            |
| Perfluorobutanesulfonic acid (PFBS)                 | --   | --                            | NG/G  | 0.248 U                           | 0.26 U     | 0.245 U    | 0.248 U    | 0.226 U    |            |
| Perfluorobutanoic Acid                              | --   | --                            | NG/G  | 0.496 U                           | 0.52 U     | 0.49 U     | 0.496 U    | 0.452 U    |            |
| Perfluorodecane Sulfonic Acid                       | --   | --                            | NG/G  | 0.496 U                           | 0.52 U     | 0.49 U     | 0.496 U    | 0.452 U    |            |
| Perfluorodecanoic acid (PFDA)                       | --   | --                            | NG/G  | 0.248 U                           | 0.26 U     | 0.245 U    | 0.248 U    | 0.226 U    |            |
| Perfluorododecanoic acid (PFDoA)                    | --   | --                            | NG/G  | 0.496 U                           | 0.52 U     | 0.49 U     | 0.496 U    | 0.452 U    |            |
| Perfluoroheptane Sulfonate (PFHPS)                  | --   | --                            | NG/G  | 0.496 U                           | 0.52 U     | 0.49 U     | 0.496 U    | 0.452 U    |            |
| Perfluoroheptanoic acid (PFHpA)                     | --   | --                            | NG/G  | 0.248 U                           | 0.26 U     | 0.245 U    | 0.248 U    | 0.226 U    |            |
| Perfluorohexanesulfonic acid (PFHxS)                | --   | --                            | NG/G  | 0.248 U                           | 0.26 U     | 0.245 U    | 0.248 U    | 0.226 U    |            |
| Perfluorohexanoic acid (PFHxA)                      | --   | --                            | NG/G  | 0.496 U                           | 0.52 U     | 0.49 U     | 0.496 U    | 0.452 U    |            |
| Perfluorononanoic acid (PFNA)                       | --   | --                            | NG/G  | 0.248 U                           | 0.26 U     | 0.245 U    | 0.248 U    | 0.226 U    |            |
| Perfluorooctane Sulfonamide (FOSA)                  | --   | --                            | NG/G  | 0.496 U                           | 0.52 U     | 0.49 U     | 0.496 U    | 0.452 U    |            |
| Perfluorooctanesulfonic acid (PFOS)                 | 3.7  | 440                           | NG/G  | 0.248 U                           | 0.148 J    | 0.245 U    | 0.192 J    | 0.399      |            |
| Perfluorooctanoic acid (PFOA)                       | 1.1  | 600                           | NG/G  | 0.551                             | 0.071 J    | 0.245 U    | 0.248 U    | 0.226 U    |            |
| Perfluoropentanoic Acid (PFPeA)                     | --   | --                            | NG/G  | 0.496 U                           | 0.52 U     | 0.49 U     | 0.496 U    | 0.452 U    |            |
| Perfluorotetradecanoic acid (PFTA)                  | --   | --                            | NG/G  | 0.496 U                           | 0.52 U     | 0.49 U     | 0.496 U    | 0.452 U    |            |
| Perfluorotridecanoic Acid (PFTriA)                  | --   | --                            | NG/G  | 0.496 U                           | 0.52 U     | 0.49 U     | 0.496 U    | 0.452 U    |            |
| Perfluoroundecanoic Acid (PFUnA)                    | --   | --                            | NG/G  | 0.496 U                           | 0.52 U     | 0.49 U     | 0.496 U    | 0.452 U    |            |
| Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)  | --   | --                            | NG/G  | 0.496 U                           | 0.52 U     | 0.49 U     | 0.496 U    | 0.452 U    |            |
| Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)  | --   | --                            | NG/G  | 0.496 U                           | 0.52 U     | 0.49 U     | 0.496 U    | 0.452 U    |            |
| TOTAL PFOA AND PFOS                                 | --   | --                            | NG/G  | 0.551                             | 0.219 J    | 0.245 U    | 0.192 J    | 0.399      |            |

**Table 6. Summary of Per- and Polyfluoroalkyl Substances in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|   |  |                               |       | Sample Designation:               | SB014      | SB014      | SB015      | SB015      | SB015      |
|---|--|-------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|
|   |  |                               |       | Sample Date:                      | 06/13/2022 | 06/13/2022 | 06/13/2022 | 06/13/2022 | 06/13/2022 |
|   |  |                               |       | Sample Depth (ft bls):            | 10 - 12    | 14 - 16    | 0 - 2      | 6 - 8      | 12 - 14    |
|   |  |                               |       | Normal Sample or Field Duplicate: | N          | N          | N          | N          | N          |
| Parameter   | NYSDEC Part 375 Protection of Groundwater GV | NYSDEC Part 375 Industrial GV | Units |                                   |            |            |            |            |            |
| 2-(N-methyl perfluorooctanesulfonamido) acetic acid | --   | --                            | NG/G  | 0.474 U                           | 0.514 U    | 0.521 U    | 0.476 U    | 0.532 U    |            |
| N-ethyl perfluorooctanesulfonamidoacetic acid       | --   | --                            | NG/G  | 0.474 U                           | 0.514 U    | 0.521 U    | 0.476 U    | 0.15 J     |            |
| Perfluorobutanesulfonic acid (PFBS)                 | --   | --                            | NG/G  | 0.237 U                           | 0.257 U    | 0.26 U     | 0.238 U    | 0.266 U    |            |
| Perfluorobutanoic Acid                              | --   | --                            | NG/G  | 0.474 U                           | 0.514 U    | 0.521 U    | 0.035 J    | 0.532 U    |            |
| Perfluorodecane Sulfonic Acid                       | --   | --                            | NG/G  | 0.474 U                           | 0.514 U    | 0.521 U    | 0.476 U    | 0.532 U    |            |
| Perfluorodecanoic acid (PFDA)                       | --   | --                            | NG/G  | 0.237 U                           | 0.257 U    | 0.26 U     | 0.238 U    | 0.266 U    |            |
| Perfluorododecanoic acid (PFDoA)                    | --   | --                            | NG/G  | 0.474 U                           | 0.514 U    | 0.521 U    | 0.476 U    | 0.532 U    |            |
| Perfluoroheptane Sulfonate (PFHPS)                  | --   | --                            | NG/G  | 0.474 U                           | 0.514 U    | 0.521 U    | 0.476 U    | 0.532 U    |            |
| Perfluoroheptanoic acid (PFHpA)                     | --   | --                            | NG/G  | 0.237 U                           | 0.257 U    | 0.26 U     | 0.238 U    | 0.266 U    |            |
| Perfluorohexanesulfonic acid (PFHxS)                | --   | --                            | NG/G  | 0.237 U                           | 0.257 U    | 0.26 U     | 0.238 U    | 0.266 U    |            |
| Perfluorohexanoic acid (PFHxA)                      | --   | --                            | NG/G  | 0.474 U                           | 0.514 U    | 0.521 U    | 0.476 U    | 0.532 U    |            |
| Perfluorononanoic acid (PFNA)                       | --   | --                            | NG/G  | 0.237 U                           | 0.257 U    | 0.26 U     | 0.238 U    | 0.266 U    |            |
| Perfluorooctane Sulfonamide (FOSA)                  | --   | --                            | NG/G  | 0.474 U                           | 0.514 U    | 0.521 U    | 0.476 U    | 0.532 U    |            |
| Perfluorooctanesulfonic acid (PFOS)                 | 3.7  | 440                           | NG/G  | 0.237 U                           | 0.257 U    | 0.3        | 0.238 U    | 0.266 U    |            |
| Perfluorooctanoic acid (PFOA)                       | 1.1  | 600                           | NG/G  | 0.074 J                           | 0.257 U    | 0.26 U     | 0.051 J    | 0.266 U    |            |
| Perfluoropentanoic Acid (PFPeA)                     | --   | --                            | NG/G  | 0.474 U                           | 0.514 U    | 0.521 U    | 0.476 U    | 0.532 U    |            |
| Perfluorotetradecanoic acid (PFTA)                  | --   | --                            | NG/G  | 0.474 U                           | 0.514 U    | 0.521 U    | 0.476 U    | 0.532 U    |            |
| Perfluorotridecanoic Acid (PFTriA)                  | --   | --                            | NG/G  | 0.474 U                           | 0.514 U    | 0.521 U    | 0.476 U    | 0.532 U    |            |
| Perfluoroundecanoic Acid (PFUnA)                    | --   | --                            | NG/G  | 0.474 U                           | 0.514 U    | 0.521 U    | 0.476 U    | 0.532 U    |            |
| Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)  | --   | --                            | NG/G  | 0.474 U                           | 0.514 U    | 0.521 U    | 0.476 U    | 0.532 U    |            |
| Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)  | --   | --                            | NG/G  | 0.474 U                           | 0.514 U    | 0.521 U    | 0.476 U    | 0.532 U    |            |
| TOTAL PFOA AND PFOS                                 | --   | --                            | NG/G  | 0.074 J                           | 0.257 U    | 0.3        | 0.051 J    | 0.266 U    |            |

**Table 6. Summary of Per- and Polyfluoroalkyl Substances in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|   |  |                               |       | Sample Designation:               | SB016      | SB016      | SB017      | SB017      | SB018      |
|---|--|-------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|
|   |  |                               |       | Sample Date:                      | 06/10/2022 | 06/10/2022 | 06/10/2022 | 06/10/2022 | 06/09/2022 |
|   |  |                               |       | Sample Depth (ft bls):            | 0 - 2      | 2 - 4      | 0 - 2      | 2 - 4      | 0 - 2      |
|   |  |                               |       | Normal Sample or Field Duplicate: | N          | N          | N          | N          | N          |
| Parameter   | NYSDEC Part 375 Protection of Groundwater GV | NYSDEC Part 375 Industrial GV | Units |                                   |            |            |            |            |            |
| 2-(N-methyl perfluorooctanesulfonamido) acetic acid | --   | --                            | NG/G  | 0.495 U                           | 0.552 U    | 0.51 U     | 0.512 U    | 0.497 U    |            |
| N-ethyl perfluorooctanesulfonamidoacetic acid       | --   | --                            | NG/G  | 0.495 U                           | 0.552 U    | 0.51 U     | 0.512 U    | 0.497 U    |            |
| Perfluorobutanesulfonic acid (PFBS)                 | --   | --                            | NG/G  | 0.247 U                           | 0.276 U    | 0.255 U    | 0.256 U    | 0.249 U    |            |
| Perfluorobutanoic Acid                              | --   | --                            | NG/G  | 0.495 U                           | 0.552 U    | 0.51 U     | 0.512 U    | 0.497 U    |            |
| Perfluorodecane Sulfonic Acid                       | --   | --                            | NG/G  | 0.495 U                           | 0.552 U    | 0.51 U     | 0.512 U    | 0.497 U    |            |
| Perfluorodecanoic acid (PFDA)                       | --   | --                            | NG/G  | 0.247 U                           | 0.276 U    | 0.255 U    | 0.256 U    | 0.249 U    |            |
| Perfluorododecanoic acid (PFDoA)                    | --   | --                            | NG/G  | 0.495 U                           | 0.552 U    | 0.51 U     | 0.512 U    | 0.497 U    |            |
| Perfluoroheptane Sulfonate (PFHPS)                  | --   | --                            | NG/G  | 0.495 U                           | 0.552 U    | 0.51 U     | 0.512 U    | 0.497 U    |            |
| Perfluoroheptanoic acid (PFHpA)                     | --   | --                            | NG/G  | 0.247 U                           | 0.276 U    | 0.255 U    | 0.256 U    | 0.249 U    |            |
| Perfluorohexanesulfonic acid (PFHxS)                | --   | --                            | NG/G  | 0.247 U                           | 0.276 U    | 0.255 U    | 0.256 U    | 0.249 U    |            |
| Perfluorohexanoic acid (PFHxA)                      | --   | --                            | NG/G  | 0.495 U                           | 0.552 U    | 0.51 U     | 0.512 U    | 0.497 U    |            |
| Perfluorononanoic acid (PFNA)                       | --   | --                            | NG/G  | 0.247 U                           | 0.276 U    | 0.255 U    | 0.256 U    | 0.249 U    |            |
| Perfluorooctane Sulfonamide (FOSA)                  | --   | --                            | NG/G  | 0.495 U                           | 0.552 U    | 0.51 U     | 0.512 U    | 0.497 U    |            |
| Perfluorooctanesulfonic acid (PFOS)                 | 3.7  | 440                           | NG/G  | 0.247 U                           | 0.276 U    | 0.255 U    | 0.256 U    | 0.198 J    |            |
| Perfluorooctanoic acid (PFOA)                       | 1.1  | 600                           | NG/G  | 0.247 U                           | 0.276 U    | 0.046 J    | 0.079 J    | 0.232 J    |            |
| Perfluoropentanoic Acid (PFPeA)                     | --   | --                            | NG/G  | 0.495 U                           | 0.552 U    | 0.51 U     | 0.512 U    | 0.497 U    |            |
| Perfluorotetradecanoic acid (PFTA)                  | --   | --                            | NG/G  | 0.495 U                           | 0.552 U    | 0.51 U     | 0.512 U    | 0.497 U    |            |
| Perfluorotridecanoic Acid (PFTriA)                  | --   | --                            | NG/G  | 0.495 U                           | 0.552 U    | 0.51 U     | 0.512 U    | 0.497 U    |            |
| Perfluoroundecanoic Acid (PFUnA)                    | --   | --                            | NG/G  | 0.495 U                           | 0.552 U    | 0.51 U     | 0.512 U    | 0.497 U    |            |
| Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)  | --   | --                            | NG/G  | 0.495 U                           | 0.552 U    | 0.51 U     | 0.512 U    | 0.497 U    |            |
| Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)  | --   | --                            | NG/G  | 0.495 U                           | 0.552 U    | 0.51 U     | 0.512 U    | 0.497 U    |            |
| TOTAL PFOA AND PFOS                                 | --   | --                            | NG/G  | 0.247 U                           | 0.276 U    | 0.046 J    | 0.079 J    | 0.43 J     |            |

**Table 6. Summary of Per- and Polyfluoroalkyl Substances in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|   |  |                               |       | Sample Designation:               | SB018      | SB019      | SB019      | SB020      | SB020      |
|---|--|-------------------------------|-------|-----------------------------------|------------|------------|------------|------------|------------|
|   |  |                               |       | Sample Date:                      | 06/09/2022 | 06/09/2022 | 06/09/2022 | 06/09/2022 | 06/09/2022 |
|   |  |                               |       | Sample Depth (ft bls):            | 2 - 4      | 0 - 2      | 2 - 4      | 0 - 2      | 2 - 4      |
|   |  |                               |       | Normal Sample or Field Duplicate: | N          | N          | N          | N          | N          |
| Parameter   | NYSDEC Part 375 Protection of Groundwater GV | NYSDEC Part 375 Industrial GV | Units |                                   |            |            |            |            |            |
| 2-(N-methyl perfluorooctanesulfonamido) acetic acid | --   | --                            | NG/G  | 0.5 U                             | 0.536 U    | 0.536 U    | 0.518 U    | 0.502 U    |            |
| N-ethyl perfluorooctanesulfonamidoacetic acid       | --   | --                            | NG/G  | 0.5 U                             | 0.536 U    | 0.237 J    | 0.518 U    | 0.502 U    |            |
| Perfluorobutanesulfonic acid (PFBS)                 | --   | --                            | NG/G  | 0.25 U                            | 0.268 U    | 0.268 U    | 0.259 U    | 0.251 U    |            |
| Perfluorobutanoic Acid                              | --   | --                            | NG/G  | 0.5 U                             | 0.073 J    | 0.068 J    | 0.518 U    | 0.502 U    |            |
| Perfluorodecane Sulfonic Acid                       | --   | --                            | NG/G  | 0.5 U                             | 0.536 U    | 0.536 U    | 0.518 U    | 0.502 U    |            |
| Perfluorodecanoic acid (PFDA)                       | --   | --                            | NG/G  | 0.25 U                            | 0.268 U    | 0.268 U    | 0.259 U    | 0.251 U    |            |
| Perfluorododecanoic acid (PFDoA)                    | --   | --                            | NG/G  | 0.5 U                             | 0.536 U    | 0.536 U    | 0.518 U    | 0.502 U    |            |
| Perfluoroheptane Sulfonate (PFHPS)                  | --   | --                            | NG/G  | 0.5 U                             | 0.536 U    | 0.536 U    | 0.518 U    | 0.502 U    |            |
| Perfluoroheptanoic acid (PFHpA)                     | --   | --                            | NG/G  | 0.25 U                            | 0.268 U    | 0.268 U    | 0.259 U    | 0.251 U    |            |
| Perfluorohexanesulfonic acid (PFHxS)                | --   | --                            | NG/G  | 0.25 U                            | 0.268 U    | 0.268 U    | 0.259 U    | 0.251 U    |            |
| Perfluorohexanoic acid (PFHxA)                      | --   | --                            | NG/G  | 0.5 U                             | 0.536 U    | 0.536 U    | 0.518 U    | 0.502 U    |            |
| Perfluorononanoic acid (PFNA)                       | --   | --                            | NG/G  | 0.25 U                            | 0.268 U    | 0.268 U    | 0.259 U    | 0.251 U    |            |
| Perfluorooctane Sulfonamide (FOSA)                  | --   | --                            | NG/G  | 0.5 U                             | 0.536 U    | 0.536 U    | 0.518 U    | 0.502 U    |            |
| Perfluorooctanesulfonic acid (PFOS)                 | 3.7  | 440                           | NG/G  | 0.25 U                            | 0.848      | 0.494      | 0.333      | 0.251 U    |            |
| Perfluorooctanoic acid (PFOA)                       | 1.1  | 600                           | NG/G  | 0.107 J                           | 0.268 U    | 0.053 JF   | 0.178 JF   | 0.251 U    |            |
| Perfluoropentanoic Acid (PFPeA)                     | --   | --                            | NG/G  | 0.5 U                             | 0.536 U    | 0.536 U    | 0.518 U    | 0.502 U    |            |
| Perfluorotetradecanoic acid (PFTA)                  | --   | --                            | NG/G  | 0.5 U                             | 0.536 U    | 0.536 U    | 0.518 U    | 0.502 U    |            |
| Perfluorotridecanoic Acid (PFTriA)                  | --   | --                            | NG/G  | 0.5 U                             | 0.536 U    | 0.536 U    | 0.518 U    | 0.502 U    |            |
| Perfluoroundecanoic Acid (PFUnA)                    | --   | --                            | NG/G  | 0.5 U                             | 0.536 U    | 0.536 U    | 0.518 U    | 0.502 U    |            |
| Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)  | --   | --                            | NG/G  | 0.5 U                             | 0.536 U    | 0.536 U    | 0.518 U    | 0.502 U    |            |
| Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)  | --   | --                            | NG/G  | 0.5 U                             | 0.536 U    | 0.536 U    | 0.518 U    | 0.502 U    |            |
| TOTAL PFOA AND PFOS                                 | --   | --                            | NG/G  | 0.107 J                           | 0.848      | 0.547 J    | 0.511 J    | 0.251 U    |            |

**Table 6. Summary of Per- and Polyfluoroalkyl Substances in Soil, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

|   |  |                                     |       | Sample Designation:               | SB021      | SB021      | SB021      |
|---|--|-------------------------------------|-------|-----------------------------------|------------|------------|------------|
|   |  |                                     |       | Sample Date:                      | 06/09/2022 | 06/09/2022 | 06/09/2022 |
|   |  |                                     |       | Sample Depth (ft bls):            | 0 - 2      | 0 - 2      | 2 - 4      |
|   |  |                                     |       | Normal Sample or Field Duplicate: | N          | FD         | N          |
| Parameter   | NYSDEC Part 375<br>Protection of<br>Groundwater GV | NYSDEC Part<br>375 Industrial<br>GV | Units |                                   |            |            |            |
| 2-(N-methyl perfluorooctanesulfonamido) acetic acid | --   | --                                  | NG/G  | 0.489 U                           | 0.526 U    | 0.501 U    |            |
| N-ethyl perfluorooctanesulfonamidoacetic acid       | --   | --                                  | NG/G  | 0.489 U                           | 0.526 U    | 0.501 U    |            |
| Perfluorobutanesulfonic acid (PFBS)                 | --   | --                                  | NG/G  | 0.244 U                           | 0.263 U    | 0.251 U    |            |
| Perfluorobutanoic Acid                              | --   | --                                  | NG/G  | 0.489 U                           | 0.526 U    | 0.501 U    |            |
| Perfluorodecane Sulfonic Acid                       | --   | --                                  | NG/G  | 0.489 U                           | 0.526 U    | 0.501 U    |            |
| Perfluorodecanoic acid (PFDA)                       | --   | --                                  | NG/G  | 0.244 U                           | 0.263 U    | 0.251 U    |            |
| Perfluorododecanoic acid (PFDoA)                    | --   | --                                  | NG/G  | 0.489 U                           | 0.526 U    | 0.501 U    |            |
| Perfluoroheptane Sulfonate (PFHPS)                  | --   | --                                  | NG/G  | 0.489 U                           | 0.526 U    | 0.501 U    |            |
| Perfluoroheptanoic acid (PFHpA)                     | --   | --                                  | NG/G  | 0.244 U                           | 0.263 U    | 0.251 U    |            |
| Perfluorohexanesulfonic acid (PFHxS)                | --   | --                                  | NG/G  | 0.244 U                           | 0.263 U    | 0.251 U    |            |
| Perfluorohexanoic acid (PFHxA)                      | --   | --                                  | NG/G  | 0.489 U                           | 0.526 U    | 0.501 U    |            |
| Perfluorononanoic acid (PFNA)                       | --   | --                                  | NG/G  | 0.244 U                           | 0.263 U    | 0.251 U    |            |
| Perfluorooctane Sulfonamide (FOSA)                  | --   | --                                  | NG/G  | 0.489 U                           | 0.526 U    | 0.501 U    |            |
| Perfluorooctanesulfonic acid (PFOS)                 | 3.7  | 440                                 | NG/G  | 0.3                               | 0.244 J    | 0.234 J    |            |
| Perfluorooctanoic acid (PFOA)                       | 1.1  | 600                                 | NG/G  | 0.124 JF                          | 0.086 JF   | 0.251 U    |            |
| Perfluoropentanoic Acid (PFPeA)                     | --   | --                                  | NG/G  | 0.489 U                           | 0.526 U    | 0.501 U    |            |
| Perfluorotetradecanoic acid (PFTA)                  | --   | --                                  | NG/G  | 0.489 U                           | 0.526 U    | 0.501 U    |            |
| Perfluorotridecanoic Acid (PFTriA)                  | --   | --                                  | NG/G  | 0.489 U                           | 0.526 U    | 0.501 U    |            |
| Perfluoroundecanoic Acid (PFUnA)                    | --   | --                                  | NG/G  | 0.489 U                           | 0.526 U    | 0.501 U    |            |
| Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)  | --   | --                                  | NG/G  | 0.489 U                           | 0.526 U    | 0.501 U    |            |
| Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)  | --   | --                                  | NG/G  | 2.67                              | 0.706      | 0.28 J     |            |
| TOTAL PFOA AND PFOS                                 | --   | --                                  | NG/G  | 0.424 J                           | 0.33 J     | 0.234 J    |            |



Table 7. Summary of Volatile Organic Compounds in Soil Vapor, 40-40 Northern Boulevard, Long Island City, New York

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| Sample Designation:                    |       | IA003        | IA004        | IA005       | IA006        | IA007        | IA008        | IA009        | IA010       |
|--|-------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|-------------|
| Sample Date:                           |       | 03/08/2022   | 03/08/2022   | 03/08/2022  | 03/08/2022   | 03/08/2022   | 03/08/2022   | 03/08/2022   | 03/08/2022  |
| Parameter                              | Units |              |              |             |              |              |              |              |             |
| 1,1,1-Trichloroethane (TCA)            | UG/M3 | 0.109 U      | 0.109 U      | 0.109 U     | 0.109 U      | 0.109 U      | 0.109 U      | 0.109 U      | 0.109 U     |
| 1,1,2,2-Tetrachloroethane              | UG/M3 | 1.37 U       | 1.37 U       | 1.37 U      | 1.37 U       | 1.37 U       | 1.37 U       | 1.37 U       | 1.37 U      |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane  | UG/M3 | 1.53 U       | 1.53 U       | 1.53 U      | 1.53 U       | 1.53 U       | 1.53 U       | 1.53 U       | 1.53 U      |
| 1,1,2-Trichloroethane                  | UG/M3 | 1.09 U       | 1.09 U       | 1.09 U      | 1.09 U       | 1.09 U       | 1.09 U       | 1.09 U       | 1.09 U      |
| 1,1-Dichloroethane                     | UG/M3 | 0.809 U      | 0.809 U      | 0.809 U     | 0.809 U      | 0.809 U      | 0.809 U      | 0.809 U      | 0.809 U     |
| 1,1-Dichloroethene                     | UG/M3 | 0.079 U      | 0.079 U      | 0.079 U     | 0.079 U      | 0.079 U      | 0.079 U      | 0.079 U      | 0.079 U     |
| 1,2,4-Trichlorobenzene                 | UG/M3 | 1.48 U       | 1.48 U       | 1.48 U      | 1.48 U       | 1.48 U       | 1.48 U       | 1.48 U       | 1.48 U      |
| 1,2,4-Trimethylbenzene                 | UG/M3 | <b>12.5</b>  | <b>2.5</b>   | <b>57</b>   | <b>48.8</b>  | <b>68.3</b>  | <b>21.9</b>  | <b>5.06</b>  | <b>20.8</b> |
| 1,2-Dibromoethane (Ethylene Dibromide) | UG/M3 | 1.54 U       | 1.54 U       | 1.54 U      | 1.54 U       | 1.54 U       | 1.54 U       | 1.54 U       | 1.54 U      |
| 1,2-Dichlorobenzene                    | UG/M3 | 1.2 U        | 1.2 U        | 1.2 U       | 1.2 U        | 1.2 U        | 1.2 U        | 1.2 U        | 1.2 U       |
| 1,2-Dichloroethane                     | UG/M3 | 0.809 U      | 0.809 U      | 0.809 U     | 0.809 U      | 0.809 U      | 0.809 U      | 0.809 U      | 0.809 U     |
| 1,2-Dichloropropane                    | UG/M3 | 0.924 U      | 0.924 U      | 0.924 U     | 0.924 U      | 0.924 U      | 0.924 U      | 0.924 U      | 0.924 U     |
| 1,2-Dichlorotetrafluoroethane          | UG/M3 | 1.4 U        | 1.4 U        | 1.4 U       | 1.4 U        | 1.4 U        | 1.4 U        | 1.4 U        | 1.4 U       |
| 1,3,5-Trimethylbenzene (Mesitylene)    | UG/M3 | <b>3.38</b>  | 0.983 U      | <b>15</b>   | <b>12.7</b>  | <b>17.9</b>  | <b>5.85</b>  | <b>1.26</b>  | <b>5.46</b> |
| 1,3-Butadiene                          | UG/M3 | 0.442 U      | 0.442 U      | 0.442 U     | <b>0.577</b> | 0.442 U      | 0.442 U      | 0.442 U      | 0.442 U     |
| 1,3-Dichlorobenzene                    | UG/M3 | 1.2 U        | 1.2 U        | 1.2 U       | 1.2 U        | 1.2 U        | 1.2 U        | 1.2 U        | 1.2 U       |
| 1,4-Dichlorobenzene                    | UG/M3 | 1.2 U        | 1.2 U        | 1.2 U       | 1.2 U        | 1.2 U        | 1.2 U        | 1.2 U        | 1.2 U       |
| 1,4-Dioxane (P-Dioxane)                | UG/M3 | 0.721 U      | 0.721 U      | 0.721 U     | 0.721 U      | 0.721 U      | 0.721 U      | 0.721 U      | 0.721 U     |
| 2,2,4-Trimethylpentane                 | UG/M3 | <b>19.9</b>  | <b>2.29</b>  | <b>59.3</b> | <b>52.3</b>  | <b>72.4</b>  | <b>25.1</b>  | <b>5.18</b>  | <b>23.8</b> |
| 2-Hexanone                             | UG/M3 | 0.82 U       | 0.82 U       | 0.82 U      | 0.82 U       | 0.82 U       | 0.82 U       | 0.82 U       | 0.82 U      |
| 4-Ethyltoluene                         | UG/M3 | <b>3.29</b>  | 0.983 U      | <b>13.5</b> | <b>10.2</b>  | <b>12.4</b>  | <b>4.29</b>  | <b>1.17</b>  | <b>4.35</b> |
| Acetone                                | UG/M3 | <b>88.6</b>  | <b>29</b>    | <b>187</b>  | <b>196</b>   | <b>240</b>   | <b>158</b>   | <b>48.9</b>  | <b>125</b>  |
| Allyl Chloride (3-Chloropropene)       | UG/M3 | 0.626 U      | 0.626 U      | 0.626 U     | 0.626 U      | 0.626 U      | 0.626 U      | 0.626 U      | 0.626 U     |
| Benzene                                | UG/M3 | <b>6.77</b>  | <b>1.09</b>  | <b>16.1</b> | <b>17.3</b>  | <b>20.4</b>  | <b>7.73</b>  | <b>1.84</b>  | <b>6.87</b> |
| Benzyl Chloride                        | UG/M3 | 1.04 U       | 1.04 U       | 1.04 U      | 1.04 U       | 1.04 U       | 1.04 U       | 1.04 U       | 1.04 U      |
| Bromodichloromethane                   | UG/M3 | 1.34 U       | 1.34 U       | 1.34 U      | 1.34 U       | 1.34 U       | 1.34 U       | 1.34 U       | 1.34 U      |
| Bromoform                              | UG/M3 | 2.07 U       | 2.07 U       | 2.07 U      | 2.07 U       | 2.07 U       | 2.07 U       | 2.07 U       | 2.07 U      |
| Bromomethane                           | UG/M3 | 0.777 U      | 0.777 U      | 0.777 U     | 0.777 U      | 0.777 U      | 0.777 U      | 0.777 U      | 0.777 U     |
| Carbon Disulfide                       | UG/M3 | 0.623 U      | 0.623 U      | 0.623 U     | 0.623 U      | 0.623 U      | 0.623 U      | 0.623 U      | 0.623 U     |
| Carbon Tetrachloride                   | UG/M3 | <b>0.459</b> | <b>0.465</b> | <b>0.51</b> | <b>0.478</b> | <b>0.459</b> | <b>0.447</b> | <b>0.428</b> | <b>0.51</b> |
| Chlorobenzene                          | UG/M3 | 0.921 U      | 0.921 U      | 0.921 U     | 0.921 U      | 0.921 U      | 0.921 U      | 0.921 U      | 0.921 U     |
| Chloroethane                           | UG/M3 | 0.528 U      | 0.528 U      | 0.528 U     | 0.528 U      | 0.528 U      | 0.528 U      | 0.528 U      | 0.528 U     |
| Chloroform                             | UG/M3 | 0.977 U      | 0.977 U      | 0.977 U     | 0.977 U      | 0.977 U      | 0.977 U      | 0.977 U      | 0.977 U     |
| Chloromethane                          | UG/M3 | <b>1.26</b>  | <b>1.26</b>  | <b>1.32</b> | <b>1.3</b>   | <b>1.25</b>  | <b>1.24</b>  | <b>1.28</b>  | <b>1.26</b> |
| Cis-1,2-Dichloroethylene               | UG/M3 | 0.079 U      | 0.079 U      | 0.079 U     | 0.079 U      | 0.079 U      | 0.079 U      | 0.079 U      | 0.079 U     |
| Cis-1,3-Dichloropropene                | UG/M3 | 0.908 U      | 0.908 U      | 0.908 U     | 0.908 U      | 0.908 U      | 0.908 U      | 0.908 U      | 0.908 U     |
| Cyclohexane                            | UG/M3 | <b>7.19</b>  | <b>0.774</b> | <b>19.5</b> | <b>18.9</b>  | <b>25.2</b>  | <b>9.57</b>  | <b>1.91</b>  | <b>7.99</b> |

Table 7. Summary of Volatile Organic Compounds in Soil Vapor, 40-40 Northern Boulevard, Long Island City, New York

DRAFT

| Sample Designation:                           |       | IA003      | IA004      | IA005      | IA006      | IA007      | IA008      | IA009      | IA010      |
|---|-------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date:                                  |       | 03/08/2022 | 03/08/2022 | 03/08/2022 | 03/08/2022 | 03/08/2022 | 03/08/2022 | 03/08/2022 | 03/08/2022 |
| Parameter                                     | Units |            |            |            |            |            |            |            |            |
| Dibromochloromethane                          | UG/M3 | 1.7 U      | 1.7 U      | 1.7 U      | 1.7 U      | 1.7 U      | 1.7 U      | 1.7 U      | 1.7 U      |
| Dichlorodifluoromethane                       | UG/M3 | 2.45       | 2.44       | 2.42       | 2.48       | 2.37       | 2.4        | 2.48       | 2.46       |
| Ethanol                                       | UG/M3 | 469        | 30.1       | 234        | 194        | 239        | 124        | 52.2       | 119        |
| Ethyl Acetate                                 | UG/M3 | 1.8 U      | 1.8 U      | 1.8 U      | 1.8 U      | 1.8 U      | 1.8 U      | 1.8 U      | 1.8 U      |
| Ethylbenzene                                  | UG/M3 | 9.47       | 1.46       | 29.9       | 28.1       | 38.2       | 20.7       | 2.86       | 12.3       |
| Hexachlorobutadiene                           | UG/M3 | 2.13 U     | 2.13 U     | 2.13 U     | 2.13 U     | 2.13 U     | 2.13 U     | 2.13 U     | 2.13 U     |
| Isopropanol                                   | UG/M3 | 43.3       | 5.83       | 124        | 201        | 136        | 715        | 12.1       | 51.6       |
| m,p-Xylene                                    | UG/M3 | 35         | 5.47       | 112        | 105        | 143        | 82.1       | 10.8       | 46         |
| Methyl Ethyl Ketone (2-Butanone)              | UG/M3 | 1.47 U     | 1.47 U     | 1.72       | 1.52       | 1.97       | 1.97       | 1.47 U     | 2.86       |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | UG/M3 | 2.05 U     | 2.05 U     | 4.92       | 5.74       | 6.07       | 4.05       | 2.05 U     | 2.11       |
| Methylene Chloride                            | UG/M3 | 1.74 U     | 1.74 U     | 1.74 U     | 1.74 U     | 1.74 U     | 1.74 U     | 1.74 U     | 1.74 U     |
| N-Heptane                                     | UG/M3 | 17.3       | 1.91       | 47.1       | 47.9       | 61.1       | 28.9       | 4.39       | 19.5       |
| N-Hexane                                      | UG/M3 | 20.5       | 1.92       | 55.7       | 54.6       | 73.7       | 27.7       | 4.44       | 22.8       |
| O-Xylene (1,2-Dimethylbenzene)                | UG/M3 | 13.5       | 2.15       | 45.2       | 41.5       | 57.3       | 29.4       | 4.2        | 18.2       |
| Styrene                                       | UG/M3 | 0.852 U    | 0.852 U    | 1.61       | 1.01       | 1.31       | 0.852 U    | 0.852 U    | 0.852 U    |
| Tert-Butyl Alcohol                            | UG/M3 | 1.52 U     | 1.52 U     | 1.52 U     | 1.52 U     | 1.52 U     | 1.52 U     | 1.52 U     | 1.52 U     |
| Tert-Butyl Methyl Ether                       | UG/M3 | 0.721 U    | 0.721 U    | 0.721 U    | 0.721 U    | 0.721 U    | 0.721 U    | 0.721 U    | 0.721 U    |
| Tetrachloroethylene (PCE)                     | UG/M3 | 0.312      | 0.136 U    | 0.332      | 0.244      | 0.271      | 0.176      | 0.217      | 0.176      |
| Tetrahydrofuran                               | UG/M3 | 122        | 2.86       | 16.8       | 13.4       | 2.76       | 18.6       | 1.47 U     | 4.16       |
| Toluene                                       | UG/M3 | 52         | 9.8        | 155        | 168        | 184        | 194        | 18.6       | 62.6       |
| Trans-1,2-Dichloroethene                      | UG/M3 | 0.793 U    | 0.793 U    | 0.793 U    | 0.793 U    | 0.793 U    | 0.793 U    | 0.793 U    | 0.793 U    |
| Trans-1,3-Dichloropropene                     | UG/M3 | 0.908 U    | 0.908 U    | 0.908 U    | 0.908 U    | 0.908 U    | 0.908 U    | 0.908 U    | 0.908 U    |
| Trichloroethylene (TCE)                       | UG/M3 | 0.107 U    | 0.107 U    | 0.107 U    | 0.107 U    | 0.107 U    | 0.107 U    | 0.107 U    | 0.107 U    |
| Trichlorofluoromethane                        | UG/M3 | 1.31       | 1.12       | 1.14       | 1.12 U     | 1.12 U     | 1.14       | 1.17       | 1.2        |
| Vinyl Bromide                                 | UG/M3 | 0.874 U    | 0.874 U    | 0.874 U    | 0.874 U    | 0.874 U    | 0.874 U    | 0.874 U    | 0.874 U    |
| Vinyl Chloride                                | UG/M3 | 0.051 U    | 0.051 U    | 0.051 U    | 0.051 U    | 0.051 U    | 0.051 U    | 0.051 U    | 0.051 U    |

Table 7. Summary of Volatile Organic Compounds in Soil Vapor, 40-40 Northern Boulevard, Long Island City, New York

DRAFT

| Sample Designation:                    |       | IA011        | IA012        | OA001        | SV003       | SV004       | SV005        | SV006        | SV007        |
|--|-------|--------------|--------------|--------------|-------------|-------------|--------------|--------------|--------------|
| Sample Date:                           |       | 03/08/2022   | 03/08/2022   | 03/08/2022   | 03/08/2022  | 03/08/2022  | 03/08/2022   | 03/08/2022   | 03/08/2022   |
| Parameter                              | Units |              |              |              |             |             |              |              |              |
| 1,1,1-Trichloroethane (TCA)            | UG/M3 | 0.109 U      | 0.109 U      | 0.109 U      | 1.09 U      | 1.26 U      | <b>16.1</b>  | <b>15.9</b>  | <b>135</b>   |
| 1,1,2,2-Tetrachloroethane              | UG/M3 | 1.37 U       | 1.37 U       | 1.37 U       | 1.37 U      | 1.59 U      | 1.37 U       | 1.37 U       | 1.37 U       |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane  | UG/M3 | 1.53 U       | 1.53 U       | 1.53 U       | 1.53 U      | 1.77 U      | 1.53 U       | 1.53 U       | 1.53 U       |
| 1,1,2-Trichloroethane                  | UG/M3 | 1.09 U       | 1.09 U       | 1.09 U       | 1.09 U      | 1.26 U      | 1.09 U       | 1.09 U       | 1.09 U       |
| 1,1-Dichloroethane                     | UG/M3 | 0.809 U      | 0.809 U      | 0.809 U      | 0.809 U     | 0.935 U     | 0.809 U      | 0.809 U      | 0.809 U      |
| 1,1-Dichloroethene                     | UG/M3 | 0.079 U      | 0.079 U      | 0.079 U      | 0.793 U     | 0.916 U     | 0.793 U      | 0.793 U      | 0.793 U      |
| 1,2,4-Trichlorobenzene                 | UG/M3 | 1.48 U       | 1.48 U       | 1.48 U       | 1.48 U      | 1.71 U      | 1.48 U       | 1.48 U       | 1.48 U       |
| 1,2,4-Trimethylbenzene                 | UG/M3 | <b>50.6</b>  | <b>10.8</b>  | 0.983 U      | 0.983 U     | 1.14 U      | <b>1.22</b>  | <b>1.23</b>  | <b>2.25</b>  |
| 1,2-Dibromoethane (Ethylene Dibromide) | UG/M3 | 1.54 U       | 1.54 U       | 1.54 U       | 1.54 U      | 1.78 U      | 1.54 U       | 1.54 U       | 1.54 U       |
| 1,2-Dichlorobenzene                    | UG/M3 | 1.2 U        | 1.2 U        | 1.2 U        | 1.2 U       | 1.39 U      | 1.2 U        | 1.2 U        | <b>1.27</b>  |
| 1,2-Dichloroethane                     | UG/M3 | 0.809 U      | 0.809 U      | 0.809 U      | 0.809 U     | 0.935 U     | 0.809 U      | 0.809 U      | 0.809 U      |
| 1,2-Dichloropropane                    | UG/M3 | 0.924 U      | 0.924 U      | 0.924 U      | 0.924 U     | 1.07 U      | 0.924 U      | 0.924 U      | 0.924 U      |
| 1,2-Dichlorotetrafluoroethane          | UG/M3 | 1.4 U        | 1.4 U        | 1.4 U        | 1.4 U       | 1.61 U      | 1.4 U        | 1.4 U        | 1.4 U        |
| 1,3,5-Trimethylbenzene (Mesitylene)    | UG/M3 | <b>12.9</b>  | <b>2.88</b>  | 0.983 U      | 0.983 U     | 1.14 U      | 0.983 U      | 0.983 U      | 0.983 U      |
| 1,3-Butadiene                          | UG/M3 | 0.442 U      | 0.442 U      | 0.442 U      | <b>0.96</b> | 0.511 U     | 0.442 U      | <b>3.63</b>  | <b>0.706</b> |
| 1,3-Dichlorobenzene                    | UG/M3 | 1.2 U        | 1.2 U        | 1.2 U        | 1.2 U       | 1.39 U      | 1.2 U        | 1.2 U        | 1.2 U        |
| 1,4-Dichlorobenzene                    | UG/M3 | 1.2 U        | 1.2 U        | 1.2 U        | 1.2 U       | 1.39 U      | 1.2 U        | 1.2 U        | 1.2 U        |
| 1,4-Dioxane (P-Dioxane)                | UG/M3 | 0.721 U      | 0.721 U      | 0.721 U      | 0.721 U     | 0.832 U     | <b>5.84</b>  | <b>3.01</b>  | 0.721 U      |
| 2,2,4-Trimethylpentane                 | UG/M3 | <b>50.9</b>  | <b>19</b>    | 0.934 U      | <b>1.98</b> | <b>2.25</b> | <b>2.28</b>  | <b>1.57</b>  | <b>3.27</b>  |
| 2-Hexanone                             | UG/M3 | 0.82 U       | 0.82 U       | 0.82 U       | 0.82 U      | <b>1.07</b> | <b>1.11</b>  | <b>0.988</b> | <b>1.75</b>  |
| 4-Ethyltoluene                         | UG/M3 | <b>11</b>    | <b>2.7</b>   | 0.983 U      | 0.983 U     | 1.14 U      | 0.983 U      | 0.983 U      | 0.983 U      |
| Acetone                                | UG/M3 | <b>184</b>   | <b>164</b>   | <b>5.94</b>  | <b>69.1</b> | <b>111</b>  | <b>736</b>   | <b>182</b>   | <b>112</b>   |
| Allyl Chloride (3-Chloropropene)       | UG/M3 | 0.626 U      | 0.626 U      | 0.626 U      | 0.626 U     | 0.723 U     | 0.626 U      | 0.626 U      | 0.626 U      |
| Benzene                                | UG/M3 | <b>13.5</b>  | <b>6.64</b>  | <b>0.655</b> | <b>1.7</b>  | <b>5.81</b> | <b>3.9</b>   | <b>5.3</b>   | <b>2.97</b>  |
| Benzyl Chloride                        | UG/M3 | 1.04 U       | 1.04 U       | 1.04 U       | 1.04 U      | 1.2 U       | 1.04 U       | 1.04 U       | 1.04 U       |
| Bromodichloromethane                   | UG/M3 | 1.34 U       | 1.34 U       | 1.34 U       | 1.34 U      | 1.55 U      | 1.34 U       | 1.34 U       | 1.34 U       |
| Bromoform                              | UG/M3 | 2.07 U       | 2.07 U       | 2.07 U       | 2.07 U      | 2.39 U      | 2.07 U       | 2.07 U       | 2.07 U       |
| Bromomethane                           | UG/M3 | 0.777 U      | 0.777 U      | 0.777 U      | 0.777 U     | 0.897 U     | 0.777 U      | 0.777 U      | 0.777 U      |
| Carbon Disulfide                       | UG/M3 | 0.623 U      | 0.623 U      | 0.623 U      | <b>1.02</b> | <b>1.48</b> | <b>4.89</b>  | <b>12.7</b>  | <b>3.58</b>  |
| Carbon Tetrachloride                   | UG/M3 | <b>0.472</b> | <b>0.453</b> | <b>0.497</b> | 1.26 U      | 1.45 U      | 1.26 U       | 1.26 U       | 1.26 U       |
| Chlorobenzene                          | UG/M3 | 0.921 U      | 0.921 U      | 0.921 U      | 0.921 U     | 1.06 U      | 0.921 U      | 0.921 U      | 0.921 U      |
| Chloroethane                           | UG/M3 | 0.528 U      | 0.528 U      | 0.528 U      | 0.528 U     | 0.61 U      | 0.528 U      | 0.528 U      | 0.528 U      |
| Chloroform                             | UG/M3 | 0.977 U      | 0.977 U      | 0.977 U      | <b>1.2</b>  | 1.13 U      | 0.977 U      | 0.977 U      | 0.977 U      |
| Chloromethane                          | UG/M3 | <b>1.28</b>  | <b>1.28</b>  | <b>1.24</b>  | 0.413 U     | 0.477 U     | <b>0.434</b> | 0.413 U      | 0.413 U      |
| Cis-1,2-Dichloroethylene               | UG/M3 | 0.079 U      | 0.079 U      | 0.079 U      | 0.793 U     | 0.916 U     | 0.793 U      | 0.793 U      | 0.793 U      |
| Cis-1,3-Dichloropropene                | UG/M3 | 0.908 U      | 0.908 U      | 0.908 U      | 0.908 U     | 1.05 U      | 0.908 U      | 0.908 U      | 0.908 U      |
| Cyclohexane                            | UG/M3 | <b>16.1</b>  | <b>6.92</b>  | 0.688 U      | <b>2.76</b> | <b>5.34</b> | <b>3.13</b>  | <b>2.72</b>  | <b>3.27</b>  |

**Table 7. Summary of Volatile Organic Compounds in Soil Vapor, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

| Sample Designation:                           |       | IA011        | IA012        | OA001       | SV003       | SV004        | SV005        | SV006       | SV007        |
|---|-------|--------------|--------------|-------------|-------------|--------------|--------------|-------------|--------------|
| Sample Date:                                  |       | 03/08/2022   | 03/08/2022   | 03/08/2022  | 03/08/2022  | 03/08/2022   | 03/08/2022   | 03/08/2022  | 03/08/2022   |
| Parameter                                     | Units |              |              |             |             |              |              |             |              |
| Dibromochloromethane                          | UG/M3 | 1.7 U        | 1.7 U        | 1.7 U       | 1.7 U       | 1.97 U       | 1.7 U        | 1.7 U       | 1.7 U        |
| Dichlorodifluoromethane                       | UG/M3 | <b>2.49</b>  | <b>2.48</b>  | <b>2.35</b> | <b>2.42</b> | <b>2.74</b>  | <b>2.78</b>  | <b>8.55</b> | <b>3.43</b>  |
| Ethanol                                       | UG/M3 | <b>196</b>   | <b>332</b>   | 9.42 U      | <b>268</b>  | <b>275</b>   | <b>326</b>   | <b>366</b>  | <b>264</b>   |
| Ethyl Acetate                                 | UG/M3 | 1.8 U        | 1.8 U        | 1.8 U       | <b>5.19</b> | <b>5.3</b>   | <b>4.76</b>  | <b>1.92</b> | <b>8.72</b>  |
| Ethylbenzene                                  | UG/M3 | <b>25.9</b>  | <b>8.69</b>  | 0.869 U     | <b>12.9</b> | <b>28.5</b>  | <b>23.9</b>  | <b>32.2</b> | <b>58.6</b>  |
| Hexachlorobutadiene                           | UG/M3 | 2.13 U       | 2.13 U       | 2.13 U      | 2.13 U      | 2.46 U       | 2.13 U       | 2.13 U      | 2.13 U       |
| Isopropanol                                   | UG/M3 | <b>94.9</b>  | <b>76.2</b>  | <b>1.45</b> | <b>11.5</b> | <b>16.8</b>  | <b>158</b>   | <b>43</b>   | <b>23.7</b>  |
| m,p-Xylene                                    | UG/M3 | <b>96.4</b>  | <b>31.8</b>  | 1.74 U      | <b>12.3</b> | <b>24.5</b>  | <b>22.8</b>  | <b>26.8</b> | <b>47.3</b>  |
| Methyl Ethyl Ketone (2-Butanone)              | UG/M3 | 1.47 U       | <b>2.01</b>  | 1.47 U      | <b>4.63</b> | <b>2.75</b>  | <b>7.34</b>  | <b>9.97</b> | <b>5.13</b>  |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | UG/M3 | <b>3.85</b>  | 2.05 U       | 2.05 U      | 2.05 U      | 2.37 U       | 2.05 U       | 2.05 U      | 2.05 U       |
| Methylene Chloride                            | UG/M3 | 1.74 U       | 1.74 U       | 1.74 U      | 1.74 U      | <b>2.13</b>  | <b>4.2</b>   | <b>2.66</b> | 1.74 U       |
| N-Heptane                                     | UG/M3 | <b>38.5</b>  | <b>17.2</b>  | 0.82 U      | <b>3.14</b> | <b>2.65</b>  | <b>2.52</b>  | <b>2.6</b>  | <b>3.78</b>  |
| N-Hexane                                      | UG/M3 | <b>46.2</b>  | <b>20.3</b>  | 0.705 U     | <b>7.12</b> | <b>8.67</b>  | <b>3.74</b>  | <b>3.67</b> | <b>5.5</b>   |
| O-Xylene (1,2-Dimethylbenzene)                | UG/M3 | <b>38.8</b>  | <b>12.1</b>  | 0.869 U     | <b>5.86</b> | <b>12.8</b>  | <b>11.5</b>  | <b>14.6</b> | <b>25.2</b>  |
| Styrene                                       | UG/M3 | <b>1.78</b>  | 0.852 U      | 0.852 U     | 0.852 U     | <b>0.984</b> | <b>0.881</b> | <b>1.19</b> | <b>1.92</b>  |
| Tert-Butyl Alcohol                            | UG/M3 | 1.52 U       | 1.52 U       | 1.52 U      | <b>3.82</b> | <b>4.49</b>  | <b>13.7</b>  | <b>6.15</b> | <b>5.12</b>  |
| Tert-Butyl Methyl Ether                       | UG/M3 | 0.721 U      | 0.721 U      | 0.721 U     | 0.721 U     | 0.833 U      | 0.721 U      | 0.721 U     | 0.721 U      |
| Tetrachloroethylene (PCE)                     | UG/M3 | <b>0.237</b> | <b>0.237</b> | 0.136 U     | <b>3.44</b> | 1.57 U       | <b>34.8</b>  | <b>275</b>  | <b>209</b>   |
| Tetrahydrofuran                               | UG/M3 | <b>5.4</b>   | <b>33.9</b>  | <b>14.9</b> | <b>7.76</b> | <b>3.57</b>  | <b>17</b>    | <b>9</b>    | <b>5.37</b>  |
| Toluene                                       | UG/M3 | <b>132</b>   | <b>55.8</b>  | <b>1.99</b> | <b>29.1</b> | <b>64.8</b>  | <b>53.9</b>  | <b>69.7</b> | <b>128</b>   |
| Trans-1,2-Dichloroethene                      | UG/M3 | 0.793 U      | 0.793 U      | 0.793 U     | 0.793 U     | 0.916 U      | 0.793 U      | 0.793 U     | 0.793 U      |
| Trans-1,3-Dichloropropene                     | UG/M3 | 0.908 U      | 0.908 U      | 0.908 U     | 0.908 U     | 1.05 U       | 0.908 U      | 0.908 U     | 0.908 U      |
| Trichloroethylene (TCE)                       | UG/M3 | 0.107 U      | 0.107 U      | 0.107 U     | 1.07 U      | 1.24 U       | <b>7.52</b>  | 1.07 U      | <b>5.48</b>  |
| Trichlorofluoromethane                        | UG/M3 | <b>1.14</b>  | <b>1.21</b>  | 1.12 U      | <b>5.05</b> | <b>10.8</b>  | 1.12 U       | <b>22.4</b> | <b>2.42</b>  |
| Vinyl Bromide                                 | UG/M3 | 0.874 U      | 0.874 U      | 0.874 U     | 0.874 U     | 1.01 U       | 0.874 U      | 0.874 U     | 0.874 U      |
| Vinyl Chloride                                | UG/M3 | 0.051 U      | 0.051 U      | 0.051 U     | 0.511 U     | 0.59 U       | 0.511 U      | 0.511 U     | <b>0.511</b> |

Table 7. Summary of Volatile Organic Compounds in Soil Vapor, 40-40 Northern Boulevard, Long Island City, New York

DRAFT

| Sample Designation:                    |       | SV008       | SV009        | SV010        | SV011       |
|--|-------|-------------|--------------|--------------|-------------|
| Sample Date:                           |       | 03/08/2022  | 03/08/2022   | 03/08/2022   | 03/08/2022  |
| Parameter                              | Units |             |              |              |             |
| 1,1,1-Trichloroethane (TCA)            | UG/M3 | 1.24 U      | <b>11.3</b>  | <b>2.94</b>  | <b>50.7</b> |
| 1,1,2,2-Tetrachloroethane              | UG/M3 | 1.56 U      | 1.37 U       | 1.37 U       | 1.96 U      |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane  | UG/M3 | 1.74 U      | 1.53 U       | 1.53 U       | 2.19 U      |
| 1,1,2-Trichloroethane                  | UG/M3 | 1.24 U      | 1.09 U       | 1.09 U       | 1.56 U      |
| 1,1-Dichloroethane                     | UG/M3 | 0.919 U     | 0.809 U      | 0.809 U      | 1.16 U      |
| 1,1-Dichloroethene                     | UG/M3 | 0.9 U       | 0.793 U      | 0.793 U      | 1.13 U      |
| 1,2,4-Trichlorobenzene                 | UG/M3 | 1.69 U      | 1.48 U       | 1.48 U       | 2.12 U      |
| 1,2,4-Trimethylbenzene                 | UG/M3 | <b>1.6</b>  | 0.983 U      | <b>2.26</b>  | <b>2.03</b> |
| 1,2-Dibromoethane (Ethylene Dibromide) | UG/M3 | 1.74 U      | 1.54 U       | 1.54 U       | 2.2 U       |
| 1,2-Dichlorobenzene                    | UG/M3 | 1.36 U      | 1.2 U        | 1.2 U        | 1.72 U      |
| 1,2-Dichloroethane                     | UG/M3 | 0.919 U     | 0.809 U      | 0.809 U      | 1.16 U      |
| 1,2-Dichloropropane                    | UG/M3 | 1.05 U      | 0.924 U      | 0.924 U      | 1.32 U      |
| 1,2-Dichlorotetrafluoroethane          | UG/M3 | 1.59 U      | 1.4 U        | 1.4 U        | 2 U         |
| 1,3,5-Trimethylbenzene (Mesitylene)    | UG/M3 | 1.12 U      | 0.983 U      | 0.983 U      | 1.41 U      |
| 1,3-Butadiene                          | UG/M3 | <b>3.65</b> | 0.442 U      | <b>0.511</b> | 0.633 U     |
| 1,3-Dichlorobenzene                    | UG/M3 | 1.36 U      | 1.2 U        | 1.2 U        | 1.72 U      |
| 1,4-Dichlorobenzene                    | UG/M3 | 1.36 U      | 1.2 U        | 1.2 U        | 1.72 U      |
| 1,4-Dioxane (P-Dioxane)                | UG/M3 | 0.818 U     | <b>2.67</b>  | <b>0.728</b> | <b>30.8</b> |
| 2,2,4-Trimethylpentane                 | UG/M3 | <b>1.55</b> | 0.934 U      | <b>1.58</b>  | <b>2.48</b> |
| 2-Hexanone                             | UG/M3 | 0.93 U      | 0.82 U       | 0.82 U       | <b>1.44</b> |
| 4-Ethyltoluene                         | UG/M3 | 1.12 U      | 0.983 U      | 0.983 U      | 1.41 U      |
| Acetone                                | UG/M3 | <b>149</b>  | <b>204</b>   | <b>126</b>   | <b>1400</b> |
| Allyl Chloride (3-Chloropropene)       | UG/M3 | 0.711 U     | 0.626 U      | 0.626 U      | 0.895 U     |
| Benzene                                | UG/M3 | <b>5.05</b> | <b>0.824</b> | <b>2.52</b>  | <b>20.9</b> |
| Benzyl Chloride                        | UG/M3 | 1.18 U      | 1.04 U       | 1.04 U       | 1.48 U      |
| Bromodichloromethane                   | UG/M3 | 1.52 U      | 1.34 U       | 1.34 U       | 1.92 U      |
| Bromoform                              | UG/M3 | 2.35 U      | 2.07 U       | 2.07 U       | 2.96 U      |
| Bromomethane                           | UG/M3 | 0.881 U     | 0.777 U      | 0.777 U      | 1.11 U      |
| Carbon Disulfide                       | UG/M3 | <b>33.3</b> | <b>1.56</b>  | <b>2.89</b>  | <b>23.9</b> |
| Carbon Tetrachloride                   | UG/M3 | 1.43 U      | 1.26 U       | 1.26 U       | 1.8 U       |
| Chlorobenzene                          | UG/M3 | 1.05 U      | 0.921 U      | 0.921 U      | 1.32 U      |
| Chloroethane                           | UG/M3 | 0.599 U     | 0.528 U      | 0.528 U      | 0.755 U     |
| Chloroform                             | UG/M3 | <b>1.14</b> | <b>1.2</b>   | 0.977 U      | 1.4 U       |
| Chloromethane                          | UG/M3 | 0.469 U     | 0.413 U      | 0.413 U      | 0.591 U     |
| Cis-1,2-Dichloroethylene               | UG/M3 | 0.9 U       | 0.793 U      | 0.793 U      | 1.13 U      |
| Cis-1,3-Dichloropropene                | UG/M3 | 1.03 U      | 0.908 U      | 0.908 U      | 1.3 U       |
| Cyclohexane                            | UG/M3 | <b>14.2</b> | <b>1.27</b>  | <b>4.78</b>  | <b>10.5</b> |

**Table 7. Summary of Volatile Organic Compounds in Soil Vapor, 40-40 Northern Boulevard, Long Island City, New York**

**DRAFT**

| Sample Designation:                           |       | <b>SV008</b>      | <b>SV009</b>      | <b>SV010</b>      | <b>SV011</b>      |
|---|-------|-------------------|-------------------|-------------------|-------------------|
| Sample Date:                                  |       | <b>03/08/2022</b> | <b>03/08/2022</b> | <b>03/08/2022</b> | <b>03/08/2022</b> |
| Parameter                                     | Units |                   |                   |                   |                   |
| Dibromochloromethane                          | UG/M3 | 1.93 U            | 1.7 U             | 1.7 U             | 2.44 U            |
| Dichlorodifluoromethane                       | UG/M3 | <b>2.44</b>       | <b>2.42</b>       | <b>2.56</b>       | <b>3.35</b>       |
| Ethanol                                       | UG/M3 | <b>354</b>        | <b>103</b>        | <b>228</b>        | <b>2340</b>       |
| Ethyl Acetate                                 | UG/M3 | <b>6.63</b>       | <b>1.92</b>       | <b>3.02</b>       | 2.57 U            |
| Ethylbenzene                                  | UG/M3 | <b>21.2</b>       | <b>17.1</b>       | <b>25.6</b>       | <b>22</b>         |
| Hexachlorobutadiene                           | UG/M3 | 2.42 U            | 2.13 U            | 2.13 U            | 3.05 U            |
| Isopropanol                                   | UG/M3 | <b>52.6</b>       | <b>19.7</b>       | <b>17.1</b>       | <b>344</b>        |
| m,p-Xylene                                    | UG/M3 | <b>24.1</b>       | <b>16.2</b>       | <b>25.2</b>       | <b>24.1</b>       |
| Methyl Ethyl Ketone (2-Butanone)              | UG/M3 | <b>6.72</b>       | <b>3.95</b>       | <b>6.87</b>       | <b>25.2</b>       |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | UG/M3 | 2.33 U            | 2.05 U            | 2.05 U            | <b>7.38</b>       |
| Methylene Chloride                            | UG/M3 | 1.97 U            | <b>2.95</b>       | 1.74 U            | <b>2.79</b>       |
| N-Heptane                                     | UG/M3 | <b>2.46</b>       | <b>1.45</b>       | <b>2.52</b>       | <b>4.14</b>       |
| N-Hexane                                      | UG/M3 | <b>3.77</b>       | <b>1.48</b>       | <b>2.59</b>       | <b>6.48</b>       |
| O-Xylene (1,2-Dimethylbenzene)                | UG/M3 | <b>11.5</b>       | <b>8.08</b>       | <b>12.5</b>       | <b>11.3</b>       |
| Styrene                                       | UG/M3 | <b>1.16</b>       | 0.852 U           | <b>1.17</b>       | 1.22 U            |
| Tert-Butyl Alcohol                            | UG/M3 | <b>5.61</b>       | <b>10.5</b>       | <b>4.15</b>       | <b>27.2</b>       |
| Tert-Butyl Methyl Ether                       | UG/M3 | 0.818 U           | 0.721 U           | 0.721 U           | 1.03 U            |
| Tetrachloroethylene (PCE)                     | UG/M3 | <b>1.97</b>       | <b>5.03</b>       | <b>12.7</b>       | <b>10.4</b>       |
| Tetrahydrofuran                               | UG/M3 | <b>21.6</b>       | 1.47 U            | <b>9.91</b>       | 2.11 U            |
| Toluene                                       | UG/M3 | <b>54.3</b>       | <b>35.3</b>       | <b>55.8</b>       | <b>58</b>         |
| Trans-1,2-Dichloroethene                      | UG/M3 | 0.9 U             | 0.793 U           | 0.793 U           | 1.13 U            |
| Trans-1,3-Dichloropropene                     | UG/M3 | 1.03 U            | 0.908 U           | 0.908 U           | 1.3 U             |
| Trichloroethylene (TCE)                       | UG/M3 | <b>3.58</b>       | 1.07 U            | <b>1.14</b>       | <b>128</b>        |
| Trichlorofluoromethane                        | UG/M3 | <b>1.45</b>       | <b>1.17</b>       | <b>1.15</b>       | 1.61 U            |
| Vinyl Bromide                                 | UG/M3 | 0.992 U           | 0.874 U           | 0.874 U           | 1.25 U            |
| Vinyl Chloride                                | UG/M3 | 0.58 U            | 0.511 U           | 0.511 U           | 0.731 U           |



## ANALYTICAL REPORT

|                 |  |
|-----------------|--|
| Lab Number:     | L2223865   |
| Client:         | Roux Env. Eng. & Geology, DPC<br>209 Shafter Street<br>Islandia, NY 11749-5074 |
| ATTN:           | Emily Butler   |
| Phone:          | (631) 630-2432   |
| Project Name:   | 40-40 NORTHERN BLVD  |
| Project Number: | 3883.0001Y000  |
| Report Date:    | 05/13/22   |

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

| <b>Alpha<br/>Sample ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Sample<br/>Location</b> | <b>Collection<br/>Date/Time</b> | <b>Receive Date</b> |
|----------------------------|------------------|---------------|----------------------------|---------------------------------|---------------------|
| L2223865-01                | SB011(0-2)       | SOIL          | 40-40 NORTHERN BLVD        | 05/05/22 12:05                  | 05/05/22            |
| L2223865-02                | SB011(15-17)     | SOIL          | 40-40 NORTHERN BLVD        | 05/05/22 14:05                  | 05/05/22            |
| L2223865-03                | TB_050522        | WATER         | 40-40 NORTHERN BLVD        | 05/04/22 00:00                  | 05/05/22            |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

**HOLD POLICY** - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

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**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

### Case Narrative (continued)

#### Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Total Metals

L2223865-01 and -02: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.


#### Cyanide, Total

The WG1637627-2 LCS recovery for cyanide, total (57%), associated with L2223865-01, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported. The LCS/LCSD RPD is above the acceptance criteria for cyanide, total (41%).

WG1638130: A Matrix Spike and Laboratory Duplicate were prepared with the sample batch, however, the native sample was not available for reporting; therefore, the results could not be reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 05/13/22

# ORGANICS

# VOLATILES

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**SAMPLE RESULTS**

Lab ID: L2223865-01  
 Client ID: SB011(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 05/05/22 12:05  
 Date Received: 05/05/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 05/09/22 10:51  
 Analyst: AJK  
 Percent Solids: 89%

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride   | ND     |           | ug/kg | 5.6  | 2.6  | 1               |
| 1,1-Dichloroethane   | ND     |           | ug/kg | 1.1  | 0.16 | 1               |
| Chloroform   | 0.87   | J         | ug/kg | 1.7  | 0.16 | 1               |
| Carbon tetrachloride                                       | ND     |           | ug/kg | 1.1  | 0.26 | 1               |
| 1,2-Dichloropropane  | ND     |           | ug/kg | 1.1  | 0.14 | 1               |
| Dibromochloromethane                                       | ND     |           | ug/kg | 1.1  | 0.16 | 1               |
| 1,1,2-Trichloroethane                                      | ND     |           | ug/kg | 1.1  | 0.30 | 1               |
| Tetrachloroethene  | ND     |           | ug/kg | 0.56 | 0.22 | 1               |
| Chlorobenzene  | ND     |           | ug/kg | 0.56 | 0.14 | 1               |
| Trichlorofluoromethane                                     | ND     |           | ug/kg | 4.5  | 0.78 | 1               |
| 1,2-Dichloroethane   | ND     |           | ug/kg | 1.1  | 0.29 | 1               |
| 1,1,1-Trichloroethane                                      | ND     |           | ug/kg | 0.56 | 0.19 | 1               |
| Bromodichloromethane                                       | ND     |           | ug/kg | 0.56 | 0.12 | 1               |
| trans-1,3-Dichloropropene                                  | ND     |           | ug/kg | 1.1  | 0.31 | 1               |
| cis-1,3-Dichloropropene                                    | ND     |           | ug/kg | 0.56 | 0.18 | 1               |
| 1,3-Dichloropropene, Total                                 | ND     |           | ug/kg | 0.56 | 0.18 | 1               |
| 1,1-Dichloropropene  | ND     |           | ug/kg | 0.56 | 0.18 | 1               |
| Bromoform  | ND     |           | ug/kg | 4.5  | 0.28 | 1               |
| 1,1,2,2-Tetrachloroethane                                  | ND     |           | ug/kg | 0.56 | 0.19 | 1               |
| Benzene  | ND     |           | ug/kg | 0.56 | 0.19 | 1               |
| Toluene  | ND     |           | ug/kg | 1.1  | 0.61 | 1               |
| Ethylbenzene   | 0.18   | J         | ug/kg | 1.1  | 0.16 | 1               |
| Chloromethane  | ND     |           | ug/kg | 4.5  | 1.0  | 1               |
| Bromomethane   | ND     |           | ug/kg | 2.2  | 0.65 | 1               |
| Vinyl chloride   | ND     |           | ug/kg | 1.1  | 0.38 | 1               |
| Chloroethane   | ND     |           | ug/kg | 2.2  | 0.51 | 1               |
| 1,1-Dichloroethene   | ND     |           | ug/kg | 1.1  | 0.27 | 1               |
| trans-1,2-Dichloroethene                                   | ND     |           | ug/kg | 1.7  | 0.15 | 1               |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2223865**Project Number:** 3883.0001Y000**Report Date:** 05/13/22**SAMPLE RESULTS**

Lab ID: L2223865-01

Date Collected: 05/05/22 12:05

Client ID: SB011(0-2)

Date Received: 05/05/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |      |                 |
| Trichloroethene                                     | ND     |           | ug/kg | 0.56 | 0.15 | 1               |
| 1,2-Dichlorobenzene                                 | ND     |           | ug/kg | 2.2  | 0.16 | 1               |
| 1,3-Dichlorobenzene                                 | ND     |           | ug/kg | 2.2  | 0.17 | 1               |
| 1,4-Dichlorobenzene                                 | ND     |           | ug/kg | 2.2  | 0.19 | 1               |
| Methyl tert butyl ether                             | ND     |           | ug/kg | 2.2  | 0.22 | 1               |
| p/m-Xylene  | 0.73   | J         | ug/kg | 2.2  | 0.63 | 1               |
| o-Xylene  | ND     |           | ug/kg | 1.1  | 0.33 | 1               |
| Xylenes, Total                                      | 0.73   | J         | ug/kg | 1.1  | 0.33 | 1               |
| cis-1,2-Dichloroethene                              | ND     |           | ug/kg | 1.1  | 0.20 | 1               |
| 1,2-Dichloroethene, Total                           | ND     |           | ug/kg | 1.1  | 0.15 | 1               |
| Dibromomethane                                      | ND     |           | ug/kg | 2.2  | 0.27 | 1               |
| Styrene   | ND     |           | ug/kg | 1.1  | 0.22 | 1               |
| Dichlorodifluoromethane                             | ND     |           | ug/kg | 11   | 1.0  | 1               |
| Acetone   | ND     |           | ug/kg | 11   | 5.4  | 1               |
| Carbon disulfide                                    | ND     |           | ug/kg | 11   | 5.1  | 1               |
| 2-Butanone  | ND     |           | ug/kg | 11   | 2.5  | 1               |
| Vinyl acetate                                       | ND     |           | ug/kg | 11   | 2.4  | 1               |
| 4-Methyl-2-pentanone                                | ND     |           | ug/kg | 11   | 1.4  | 1               |
| 1,2,3-Trichloropropane                              | ND     |           | ug/kg | 2.2  | 0.14 | 1               |
| 2-Hexanone  | ND     |           | ug/kg | 11   | 1.3  | 1               |
| Bromochloromethane                                  | ND     |           | ug/kg | 2.2  | 0.23 | 1               |
| 2,2-Dichloropropane                                 | ND     |           | ug/kg | 2.2  | 0.23 | 1               |
| 1,2-Dibromoethane                                   | ND     |           | ug/kg | 1.1  | 0.31 | 1               |
| 1,3-Dichloropropane                                 | ND     |           | ug/kg | 2.2  | 0.19 | 1               |
| 1,1,1,2-Tetrachloroethane                           | ND     |           | ug/kg | 0.56 | 0.15 | 1               |
| Bromobenzene  | ND     |           | ug/kg | 2.2  | 0.16 | 1               |
| n-Butylbenzene                                      | ND     |           | ug/kg | 1.1  | 0.19 | 1               |
| sec-Butylbenzene                                    | ND     |           | ug/kg | 1.1  | 0.16 | 1               |
| tert-Butylbenzene                                   | ND     |           | ug/kg | 2.2  | 0.13 | 1               |
| o-Chlorotoluene                                     | ND     |           | ug/kg | 2.2  | 0.21 | 1               |
| p-Chlorotoluene                                     | ND     |           | ug/kg | 2.2  | 0.12 | 1               |
| 1,2-Dibromo-3-chloropropane                         | ND     |           | ug/kg | 3.4  | 1.1  | 1               |
| Hexachlorobutadiene                                 | ND     |           | ug/kg | 4.5  | 0.19 | 1               |
| Isopropylbenzene                                    | ND     |           | ug/kg | 1.1  | 0.12 | 1               |
| p-Isopropyltoluene                                  | ND     |           | ug/kg | 1.1  | 0.12 | 1               |
| Naphthalene   | ND     |           | ug/kg | 4.5  | 0.73 | 1               |
| Acrylonitrile                                       | ND     |           | ug/kg | 4.5  | 1.3  | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**SAMPLE RESULTS**

**Lab ID:** L2223865-01  
**Client ID:** SB011(0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 05/05/22 12:05  
**Date Received:** 05/05/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/kg | 1.1 | 0.19 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/kg | 2.2 | 0.36 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/kg | 2.2 | 0.30 | 1               |
| 1,3,5-Trimethylbenzene                              | ND     |           | ug/kg | 2.2 | 0.22 | 1               |
| 1,2,4-Trimethylbenzene                              | ND     |           | ug/kg | 2.2 | 0.38 | 1               |
| 1,4-Dioxane   | ND     |           | ug/kg | 90  | 39.  | 1               |
| p-Diethylbenzene                                    | ND     |           | ug/kg | 2.2 | 0.20 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/kg | 2.2 | 0.43 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | ND     |           | ug/kg | 2.2 | 0.21 | 1               |
| Ethyl ether   | ND     |           | ug/kg | 2.2 | 0.38 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/kg | 5.6 | 1.6  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 102        |           | 70-130              |
| Toluene-d8            | 99         |           | 70-130              |
| 4-Bromofluorobenzene  | 115        |           | 70-130              |
| Dibromofluoromethane  | 104        |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**SAMPLE RESULTS**

Lab ID: L2223865-02  
 Client ID: SB011(15-17)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 05/05/22 14:05  
 Date Received: 05/05/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 05/09/22 11:10  
 Analyst: AJK  
 Percent Solids: 74%

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride   | ND     |           | ug/kg | 7.7  | 3.5  | 1               |
| 1,1-Dichloroethane   | ND     |           | ug/kg | 1.5  | 0.22 | 1               |
| Chloroform   | 1.9    | J         | ug/kg | 2.3  | 0.22 | 1               |
| Carbon tetrachloride                                       | ND     |           | ug/kg | 1.5  | 0.36 | 1               |
| 1,2-Dichloropropane  | ND     |           | ug/kg | 1.5  | 0.19 | 1               |
| Dibromochloromethane                                       | ND     |           | ug/kg | 1.5  | 0.22 | 1               |
| 1,1,2-Trichloroethane                                      | ND     |           | ug/kg | 1.5  | 0.41 | 1               |
| Tetrachloroethene  | ND     |           | ug/kg | 0.77 | 0.30 | 1               |
| Chlorobenzene  | ND     |           | ug/kg | 0.77 | 0.20 | 1               |
| Trichlorofluoromethane                                     | ND     |           | ug/kg | 6.2  | 1.1  | 1               |
| 1,2-Dichloroethane   | ND     |           | ug/kg | 1.5  | 0.40 | 1               |
| 1,1,1-Trichloroethane                                      | ND     |           | ug/kg | 0.77 | 0.26 | 1               |
| Bromodichloromethane                                       | ND     |           | ug/kg | 0.77 | 0.17 | 1               |
| trans-1,3-Dichloropropene                                  | ND     |           | ug/kg | 1.5  | 0.42 | 1               |
| cis-1,3-Dichloropropene                                    | ND     |           | ug/kg | 0.77 | 0.24 | 1               |
| 1,3-Dichloropropene, Total                                 | ND     |           | ug/kg | 0.77 | 0.24 | 1               |
| 1,1-Dichloropropene  | ND     |           | ug/kg | 0.77 | 0.24 | 1               |
| Bromoform  | ND     |           | ug/kg | 6.2  | 0.38 | 1               |
| 1,1,2,2-Tetrachloroethane                                  | ND     |           | ug/kg | 0.77 | 0.26 | 1               |
| Benzene  | ND     |           | ug/kg | 0.77 | 0.26 | 1               |
| Toluene  | ND     |           | ug/kg | 1.5  | 0.84 | 1               |
| Ethylbenzene   | 0.32   | J         | ug/kg | 1.5  | 0.22 | 1               |
| Chloromethane  | ND     |           | ug/kg | 6.2  | 1.4  | 1               |
| Bromomethane   | ND     |           | ug/kg | 3.1  | 0.90 | 1               |
| Vinyl chloride   | ND     |           | ug/kg | 1.5  | 0.52 | 1               |
| Chloroethane   | ND     |           | ug/kg | 3.1  | 0.70 | 1               |
| 1,1-Dichloroethene   | ND     |           | ug/kg | 1.5  | 0.37 | 1               |
| trans-1,2-Dichloroethene                                   | ND     |           | ug/kg | 2.3  | 0.21 | 1               |



**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2223865**Project Number:** 3883.0001Y000**Report Date:** 05/13/22**SAMPLE RESULTS**

Lab ID: L2223865-02  
 Client ID: SB011(15-17)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 05/05/22 14:05  
 Date Received: 05/05/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Trichloroethene  | ND     |           | ug/kg | 0.77 | 0.21 | 1               |
| 1,2-Dichlorobenzene  | ND     |           | ug/kg | 3.1  | 0.22 | 1               |
| 1,3-Dichlorobenzene  | ND     |           | ug/kg | 3.1  | 0.23 | 1               |
| 1,4-Dichlorobenzene  | ND     |           | ug/kg | 3.1  | 0.26 | 1               |
| Methyl tert butyl ether                                    | ND     |           | ug/kg | 3.1  | 0.31 | 1               |
| p/m-Xylene   | 1.2    | J         | ug/kg | 3.1  | 0.87 | 1               |
| o-Xylene   | ND     |           | ug/kg | 1.5  | 0.45 | 1               |
| Xylenes, Total   | 1.2    | J         | ug/kg | 1.5  | 0.45 | 1               |
| cis-1,2-Dichloroethene                                     | ND     |           | ug/kg | 1.5  | 0.27 | 1               |
| 1,2-Dichloroethene, Total                                  | ND     |           | ug/kg | 1.5  | 0.21 | 1               |
| Dibromomethane   | ND     |           | ug/kg | 3.1  | 0.37 | 1               |
| Styrene  | ND     |           | ug/kg | 1.5  | 0.30 | 1               |
| Dichlorodifluoromethane                                    | ND     |           | ug/kg | 15   | 1.4  | 1               |
| Acetone  | ND     |           | ug/kg | 15   | 7.4  | 1               |
| Carbon disulfide   | ND     |           | ug/kg | 15   | 7.0  | 1               |
| 2-Butanone   | ND     |           | ug/kg | 15   | 3.4  | 1               |
| Vinyl acetate  | ND     |           | ug/kg | 15   | 3.3  | 1               |
| 4-Methyl-2-pentanone                                       | ND     |           | ug/kg | 15   | 2.0  | 1               |
| 1,2,3-Trichloropropane                                     | ND     |           | ug/kg | 3.1  | 0.20 | 1               |
| 2-Hexanone   | ND     |           | ug/kg | 15   | 1.8  | 1               |
| Bromochloromethane   | ND     |           | ug/kg | 3.1  | 0.32 | 1               |
| 2,2-Dichloropropane  | ND     |           | ug/kg | 3.1  | 0.31 | 1               |
| 1,2-Dibromoethane  | ND     |           | ug/kg | 1.5  | 0.43 | 1               |
| 1,3-Dichloropropane  | ND     |           | ug/kg | 3.1  | 0.26 | 1               |
| 1,1,1,2-Tetrachloroethane                                  | ND     |           | ug/kg | 0.77 | 0.20 | 1               |
| Bromobenzene   | ND     |           | ug/kg | 3.1  | 0.22 | 1               |
| n-Butylbenzene   | ND     |           | ug/kg | 1.5  | 0.26 | 1               |
| sec-Butylbenzene   | ND     |           | ug/kg | 1.5  | 0.22 | 1               |
| tert-Butylbenzene  | ND     |           | ug/kg | 3.1  | 0.18 | 1               |
| o-Chlorotoluene  | ND     |           | ug/kg | 3.1  | 0.30 | 1               |
| p-Chlorotoluene  | ND     |           | ug/kg | 3.1  | 0.17 | 1               |
| 1,2-Dibromo-3-chloropropane                                | ND     |           | ug/kg | 4.6  | 1.5  | 1               |
| Hexachlorobutadiene  | ND     |           | ug/kg | 6.2  | 0.26 | 1               |
| Isopropylbenzene   | ND     |           | ug/kg | 1.5  | 0.17 | 1               |
| p-Isopropyltoluene   | ND     |           | ug/kg | 1.5  | 0.17 | 1               |
| Naphthalene  | ND     |           | ug/kg | 6.2  | 1.0  | 1               |
| Acrylonitrile  | ND     |           | ug/kg | 6.2  | 1.8  | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**SAMPLE RESULTS**

Lab ID: L2223865-02  
 Client ID: SB011(15-17)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 05/05/22 14:05  
 Date Received: 05/05/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/kg | 1.5 | 0.26 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/kg | 3.1 | 0.50 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/kg | 3.1 | 0.42 | 1               |
| 1,3,5-Trimethylbenzene                              | ND     |           | ug/kg | 3.1 | 0.30 | 1               |
| 1,2,4-Trimethylbenzene                              | ND     |           | ug/kg | 3.1 | 0.52 | 1               |
| 1,4-Dioxane   | ND     |           | ug/kg | 120 | 54.  | 1               |
| p-Diethylbenzene                                    | ND     |           | ug/kg | 3.1 | 0.27 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/kg | 3.1 | 0.59 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | ND     |           | ug/kg | 3.1 | 0.30 | 1               |
| Ethyl ether   | ND     |           | ug/kg | 3.1 | 0.53 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/kg | 7.7 | 2.2  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 108        |           | 70-130              |
| Toluene-d8            | 95         |           | 70-130              |
| 4-Bromofluorobenzene  | 102        |           | 70-130              |
| Dibromofluoromethane  | 106        |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**SAMPLE RESULTS**

Lab ID: L2223865-03  
 Client ID: TB\_050522  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 05/04/22 00:00  
 Date Received: 05/05/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 05/10/22 16:57  
 Analyst: MV

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by GC/MS - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride                                  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,1-Dichloroethane                                  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Chloroform  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Carbon tetrachloride                                | ND     |           | ug/l  | 0.50 | 0.13 | 1               |
| 1,2-Dichloropropane                                 | ND     |           | ug/l  | 1.0  | 0.14 | 1               |
| Dibromochloromethane                                | ND     |           | ug/l  | 0.50 | 0.15 | 1               |
| 1,1,2-Trichloroethane                               | ND     |           | ug/l  | 1.5  | 0.50 | 1               |
| Tetrachloroethene                                   | ND     |           | ug/l  | 0.50 | 0.18 | 1               |
| Chlorobenzene                                       | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Trichlorofluoromethane                              | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dichloroethane                                  | ND     |           | ug/l  | 0.50 | 0.13 | 1               |
| 1,1,1-Trichloroethane                               | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromodichloromethane                                | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| trans-1,3-Dichloropropene                           | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| cis-1,3-Dichloropropene                             | ND     |           | ug/l  | 0.50 | 0.14 | 1               |
| 1,3-Dichloropropene, Total                          | ND     |           | ug/l  | 0.50 | 0.14 | 1               |
| 1,1-Dichloropropene                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromoform   | ND     |           | ug/l  | 2.0  | 0.65 | 1               |
| 1,1,1,2,2-Tetrachloroethane                         | ND     |           | ug/l  | 0.50 | 0.17 | 1               |
| Benzene   | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| Toluene   | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Ethylbenzene  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Chloromethane                                       | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromomethane  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Vinyl chloride                                      | ND     |           | ug/l  | 1.0  | 0.07 | 1               |
| Chloroethane  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,1-Dichloroethene                                  | ND     |           | ug/l  | 0.50 | 0.17 | 1               |
| trans-1,2-Dichloroethene                            | ND     |           | ug/l  | 2.5  | 0.70 | 1               |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2223865**Project Number:** 3883.0001Y000**Report Date:** 05/13/22**SAMPLE RESULTS**

Lab ID: L2223865-03

Date Collected: 05/04/22 00:00

Client ID: TB\_050522

Date Received: 05/05/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by GC/MS - Westborough Lab</b> |        |           |       |      |      |                 |
| Trichloroethene                                     | ND     |           | ug/l  | 0.50 | 0.18 | 1               |
| 1,2-Dichlorobenzene                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,3-Dichlorobenzene                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,4-Dichlorobenzene                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Methyl tert butyl ether                             | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| p/m-Xylene  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| o-Xylene  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Xylenes, Total                                      | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| cis-1,2-Dichloroethene                              | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dichloroethene, Total                           | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Dibromomethane                                      | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 1,2,3-Trichloropropane                              | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Acrylonitrile                                       | ND     |           | ug/l  | 5.0  | 1.5  | 1               |
| Styrene   | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Dichlorodifluoromethane                             | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| Acetone   | ND     |           | ug/l  | 5.0  | 1.5  | 1               |
| Carbon disulfide                                    | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 2-Butanone  | ND     |           | ug/l  | 5.0  | 1.9  | 1               |
| Vinyl acetate                                       | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 4-Methyl-2-pentanone                                | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 2-Hexanone  | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| Bromochloromethane                                  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 2,2-Dichloropropane                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dibromoethane                                   | ND     |           | ug/l  | 2.0  | 0.65 | 1               |
| 1,3-Dichloropropane                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,1,1,2-Tetrachloroethane                           | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromobenzene  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| n-Butylbenzene                                      | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| sec-Butylbenzene                                    | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| tert-Butylbenzene                                   | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| o-Chlorotoluene                                     | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| p-Chlorotoluene                                     | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dibromo-3-chloropropane                         | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Hexachlorobutadiene                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Isopropylbenzene                                    | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| p-Isopropyltoluene                                  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Naphthalene   | ND     |           | ug/l  | 2.5  | 0.70 | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**SAMPLE RESULTS**

**Lab ID:** L2223865-03  
**Client ID:** TB\_050522  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 05/04/22 00:00  
**Date Received:** 05/05/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| <b>Volatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,3,5-Trimethylbenzene                              | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,2,4-Trimethylbenzene                              | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,4-Dioxane   | ND     |           | ug/l  | 250 | 61.  | 1               |
| p-Diethylbenzene                                    | ND     |           | ug/l  | 2.0 | 0.70 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/l  | 2.0 | 0.70 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | ND     |           | ug/l  | 2.0 | 0.54 | 1               |
| Ethyl ether   | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/l  | 2.5 | 0.70 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 108        |           | 70-130              |
| Toluene-d8            | 97         |           | 70-130              |
| 4-Bromofluorobenzene  | 100        |           | 70-130              |
| Dibromofluoromethane  | 111        |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 05/09/22 08:54  
Analyst: MKS

| Parameter  | Result | Qualifier | Units | RL   | MDL  |
|--|--------|-----------|-------|------|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1636153-5 |        |           |       |      |      |
| Methylene chloride   | ND     |           | ug/kg | 5.0  | 2.3  |
| 1,1-Dichloroethane   | ND     |           | ug/kg | 1.0  | 0.14 |
| Chloroform   | ND     |           | ug/kg | 1.5  | 0.14 |
| Carbon tetrachloride   | ND     |           | ug/kg | 1.0  | 0.23 |
| 1,2-Dichloropropane  | ND     |           | ug/kg | 1.0  | 0.12 |
| Dibromochloromethane   | ND     |           | ug/kg | 1.0  | 0.14 |
| 1,1,2-Trichloroethane  | ND     |           | ug/kg | 1.0  | 0.27 |
| Tetrachloroethene  | ND     |           | ug/kg | 0.50 | 0.20 |
| Chlorobenzene  | ND     |           | ug/kg | 0.50 | 0.13 |
| Trichlorofluoromethane   | ND     |           | ug/kg | 4.0  | 0.70 |
| 1,2-Dichloroethane   | ND     |           | ug/kg | 1.0  | 0.26 |
| 1,1,1-Trichloroethane  | ND     |           | ug/kg | 0.50 | 0.17 |
| Bromodichloromethane   | ND     |           | ug/kg | 0.50 | 0.11 |
| trans-1,3-Dichloropropene  | ND     |           | ug/kg | 1.0  | 0.27 |
| cis-1,3-Dichloropropene  | ND     |           | ug/kg | 0.50 | 0.16 |
| 1,3-Dichloropropene, Total   | ND     |           | ug/kg | 0.50 | 0.16 |
| 1,1-Dichloropropene  | ND     |           | ug/kg | 0.50 | 0.16 |
| Bromoform  | ND     |           | ug/kg | 4.0  | 0.25 |
| 1,1,2,2-Tetrachloroethane  | ND     |           | ug/kg | 0.50 | 0.17 |
| Benzene  | ND     |           | ug/kg | 0.50 | 0.17 |
| Toluene  | ND     |           | ug/kg | 1.0  | 0.54 |
| Ethylbenzene   | ND     |           | ug/kg | 1.0  | 0.14 |
| Chloromethane  | ND     |           | ug/kg | 4.0  | 0.93 |
| Bromomethane   | ND     |           | ug/kg | 2.0  | 0.58 |
| Vinyl chloride   | ND     |           | ug/kg | 1.0  | 0.34 |
| Chloroethane   | ND     |           | ug/kg | 2.0  | 0.45 |
| 1,1-Dichloroethene   | ND     |           | ug/kg | 1.0  | 0.24 |
| trans-1,2-Dichloroethene   | ND     |           | ug/kg | 1.5  | 0.14 |
| Trichloroethene  | ND     |           | ug/kg | 0.50 | 0.14 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 05/09/22 08:54  
Analyst: MKS

| Parameter  | Result | Qualifier | Units | RL   | MDL  |
|--|--------|-----------|-------|------|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1636153-5 |        |           |       |      |      |
| 1,2-Dichlorobenzene  | ND     |           | ug/kg | 2.0  | 0.14 |
| 1,3-Dichlorobenzene  | ND     |           | ug/kg | 2.0  | 0.15 |
| 1,4-Dichlorobenzene  | ND     |           | ug/kg | 2.0  | 0.17 |
| Methyl tert butyl ether  | ND     |           | ug/kg | 2.0  | 0.20 |
| p/m-Xylene   | ND     |           | ug/kg | 2.0  | 0.56 |
| o-Xylene   | ND     |           | ug/kg | 1.0  | 0.29 |
| Xylenes, Total   | ND     |           | ug/kg | 1.0  | 0.29 |
| cis-1,2-Dichloroethene   | ND     |           | ug/kg | 1.0  | 0.18 |
| 1,2-Dichloroethene, Total  | ND     |           | ug/kg | 1.0  | 0.14 |
| Dibromomethane   | ND     |           | ug/kg | 2.0  | 0.24 |
| Styrene  | ND     |           | ug/kg | 1.0  | 0.20 |
| Dichlorodifluoromethane  | ND     |           | ug/kg | 10   | 0.92 |
| Acetone  | ND     |           | ug/kg | 10   | 4.8  |
| Carbon disulfide   | ND     |           | ug/kg | 10   | 4.6  |
| 2-Butanone   | ND     |           | ug/kg | 10   | 2.2  |
| Vinyl acetate  | ND     |           | ug/kg | 10   | 2.2  |
| 4-Methyl-2-pentanone   | ND     |           | ug/kg | 10   | 1.3  |
| 1,2,3-Trichloropropane   | ND     |           | ug/kg | 2.0  | 0.13 |
| 2-Hexanone   | ND     |           | ug/kg | 10   | 1.2  |
| Bromochloromethane   | ND     |           | ug/kg | 2.0  | 0.20 |
| 2,2-Dichloropropane  | ND     |           | ug/kg | 2.0  | 0.20 |
| 1,2-Dibromoethane  | ND     |           | ug/kg | 1.0  | 0.28 |
| 1,3-Dichloropropane  | ND     |           | ug/kg | 2.0  | 0.17 |
| 1,1,1,2-Tetrachloroethane  | ND     |           | ug/kg | 0.50 | 0.13 |
| Bromobenzene   | ND     |           | ug/kg | 2.0  | 0.14 |
| n-Butylbenzene   | ND     |           | ug/kg | 1.0  | 0.17 |
| sec-Butylbenzene   | ND     |           | ug/kg | 1.0  | 0.15 |
| tert-Butylbenzene  | ND     |           | ug/kg | 2.0  | 0.12 |
| o-Chlorotoluene  | ND     |           | ug/kg | 2.0  | 0.19 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 05/09/22 08:54  
Analyst: MKS

| Parameter  | Result | Qualifier | Units | RL  | MDL  |
|--|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1636153-5 |        |           |       |     |      |
| p-Chlorotoluene  | ND     |           | ug/kg | 2.0 | 0.11 |
| 1,2-Dibromo-3-chloropropane  | ND     |           | ug/kg | 3.0 | 1.0  |
| Hexachlorobutadiene  | ND     |           | ug/kg | 4.0 | 0.17 |
| Isopropylbenzene   | ND     |           | ug/kg | 1.0 | 0.11 |
| p-Isopropyltoluene   | 0.11   | J         | ug/kg | 1.0 | 0.11 |
| Naphthalene  | ND     |           | ug/kg | 4.0 | 0.65 |
| Acrylonitrile  | ND     |           | ug/kg | 4.0 | 1.2  |
| n-Propylbenzene  | ND     |           | ug/kg | 1.0 | 0.17 |
| 1,2,3-Trichlorobenzene   | ND     |           | ug/kg | 2.0 | 0.32 |
| 1,2,4-Trichlorobenzene   | ND     |           | ug/kg | 2.0 | 0.27 |
| 1,3,5-Trimethylbenzene   | ND     |           | ug/kg | 2.0 | 0.19 |
| 1,2,4-Trimethylbenzene   | ND     |           | ug/kg | 2.0 | 0.33 |
| 1,4-Dioxane  | ND     |           | ug/kg | 80  | 35.  |
| p-Diethylbenzene   | ND     |           | ug/kg | 2.0 | 0.18 |
| p-Ethyltoluene   | ND     |           | ug/kg | 2.0 | 0.38 |
| 1,2,4,5-Tetramethylbenzene   | ND     |           | ug/kg | 2.0 | 0.19 |
| Ethyl ether  | ND     |           | ug/kg | 2.0 | 0.34 |
| trans-1,4-Dichloro-2-butene  | ND     |           | ug/kg | 5.0 | 1.4  |

| Surrogate             | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 105       |           | 70-130              |
| Toluene-d8            | 95        |           | 70-130              |
| 4-Bromofluorobenzene  | 99        |           | 70-130              |
| Dibromofluoromethane  | 104       |           | 70-130              |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 05/10/22 11:05  
Analyst: PD

| Parameter   | Result | Qualifier | Units | RL   | MDL  |
|---|--------|-----------|-------|------|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1636986-5 |        |           |       |      |      |
| Methylene chloride  | ND     |           | ug/l  | 2.5  | 0.70 |
| 1,1-Dichloroethane  | ND     |           | ug/l  | 2.5  | 0.70 |
| Chloroform  | ND     |           | ug/l  | 2.5  | 0.70 |
| Carbon tetrachloride  | ND     |           | ug/l  | 0.50 | 0.13 |
| 1,2-Dichloropropane   | ND     |           | ug/l  | 1.0  | 0.14 |
| Dibromochloromethane  | ND     |           | ug/l  | 0.50 | 0.15 |
| 1,1,2-Trichloroethane   | ND     |           | ug/l  | 1.5  | 0.50 |
| Tetrachloroethene   | ND     |           | ug/l  | 0.50 | 0.18 |
| Chlorobenzene   | ND     |           | ug/l  | 2.5  | 0.70 |
| Trichlorofluoromethane  | ND     |           | ug/l  | 2.5  | 0.70 |
| 1,2-Dichloroethane  | ND     |           | ug/l  | 0.50 | 0.13 |
| 1,1,1-Trichloroethane   | ND     |           | ug/l  | 2.5  | 0.70 |
| Bromodichloromethane  | ND     |           | ug/l  | 0.50 | 0.19 |
| trans-1,3-Dichloropropene   | ND     |           | ug/l  | 0.50 | 0.16 |
| cis-1,3-Dichloropropene   | ND     |           | ug/l  | 0.50 | 0.14 |
| 1,3-Dichloropropene, Total  | ND     |           | ug/l  | 0.50 | 0.14 |
| 1,1-Dichloropropene   | ND     |           | ug/l  | 2.5  | 0.70 |
| Bromoform   | ND     |           | ug/l  | 2.0  | 0.65 |
| 1,1,2,2-Tetrachloroethane   | ND     |           | ug/l  | 0.50 | 0.17 |
| Benzene   | ND     |           | ug/l  | 0.50 | 0.16 |
| Toluene   | ND     |           | ug/l  | 2.5  | 0.70 |
| Ethylbenzene  | ND     |           | ug/l  | 2.5  | 0.70 |
| Chloromethane   | ND     |           | ug/l  | 2.5  | 0.70 |
| Bromomethane  | ND     |           | ug/l  | 2.5  | 0.70 |
| Vinyl chloride  | ND     |           | ug/l  | 1.0  | 0.07 |
| Chloroethane  | ND     |           | ug/l  | 2.5  | 0.70 |
| 1,1-Dichloroethene  | ND     |           | ug/l  | 0.50 | 0.17 |
| trans-1,2-Dichloroethene  | ND     |           | ug/l  | 2.5  | 0.70 |
| Trichloroethene   | ND     |           | ug/l  | 0.50 | 0.18 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 05/10/22 11:05  
Analyst: PD

| Parameter   | Result | Qualifier | Units | RL  | MDL  |
|---|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1636986-5 |        |           |       |     |      |
| 1,2-Dichlorobenzene   | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,3-Dichlorobenzene   | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,4-Dichlorobenzene   | ND     |           | ug/l  | 2.5 | 0.70 |
| Methyl tert butyl ether   | ND     |           | ug/l  | 2.5 | 0.70 |
| p/m-Xylene  | ND     |           | ug/l  | 2.5 | 0.70 |
| o-Xylene  | ND     |           | ug/l  | 2.5 | 0.70 |
| Xylenes, Total  | ND     |           | ug/l  | 2.5 | 0.70 |
| cis-1,2-Dichloroethene  | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,2-Dichloroethene, Total   | ND     |           | ug/l  | 2.5 | 0.70 |
| Dibromomethane  | ND     |           | ug/l  | 5.0 | 1.0  |
| 1,2,3-Trichloropropane  | ND     |           | ug/l  | 2.5 | 0.70 |
| Acrylonitrile   | ND     |           | ug/l  | 5.0 | 1.5  |
| Styrene   | ND     |           | ug/l  | 2.5 | 0.70 |
| Dichlorodifluoromethane   | ND     |           | ug/l  | 5.0 | 1.0  |
| Acetone   | ND     |           | ug/l  | 5.0 | 1.5  |
| Carbon disulfide  | ND     |           | ug/l  | 5.0 | 1.0  |
| 2-Butanone  | ND     |           | ug/l  | 5.0 | 1.9  |
| Vinyl acetate   | ND     |           | ug/l  | 5.0 | 1.0  |
| 4-Methyl-2-pentanone  | ND     |           | ug/l  | 5.0 | 1.0  |
| 2-Hexanone  | ND     |           | ug/l  | 5.0 | 1.0  |
| Bromochloromethane  | ND     |           | ug/l  | 2.5 | 0.70 |
| 2,2-Dichloropropane   | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,2-Dibromoethane   | ND     |           | ug/l  | 2.0 | 0.65 |
| 1,3-Dichloropropane   | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,1,1,2-Tetrachloroethane   | ND     |           | ug/l  | 2.5 | 0.70 |
| Bromobenzene  | ND     |           | ug/l  | 2.5 | 0.70 |
| n-Butylbenzene  | ND     |           | ug/l  | 2.5 | 0.70 |
| sec-Butylbenzene  | ND     |           | ug/l  | 2.5 | 0.70 |
| tert-Butylbenzene   | ND     |           | ug/l  | 2.5 | 0.70 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 05/10/22 11:05  
Analyst: PD

| Parameter   | Result | Qualifier | Units | RL  | MDL  |
|---|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1636986-5 |        |           |       |     |      |
| o-Chlorotoluene   | ND     |           | ug/l  | 2.5 | 0.70 |
| p-Chlorotoluene   | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,2-Dibromo-3-chloropropane   | ND     |           | ug/l  | 2.5 | 0.70 |
| Hexachlorobutadiene   | ND     |           | ug/l  | 2.5 | 0.70 |
| Isopropylbenzene  | ND     |           | ug/l  | 2.5 | 0.70 |
| p-Isopropyltoluene  | ND     |           | ug/l  | 2.5 | 0.70 |
| Naphthalene   | ND     |           | ug/l  | 2.5 | 0.70 |
| n-Propylbenzene   | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,2,3-Trichlorobenzene  | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,2,4-Trichlorobenzene  | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,3,5-Trimethylbenzene  | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,2,4-Trimethylbenzene  | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,4-Dioxane   | ND     |           | ug/l  | 250 | 61.  |
| p-Diethylbenzene  | ND     |           | ug/l  | 2.0 | 0.70 |
| p-Ethyltoluene  | ND     |           | ug/l  | 2.0 | 0.70 |
| 1,2,4,5-Tetramethylbenzene  | ND     |           | ug/l  | 2.0 | 0.54 |
| Ethyl ether   | ND     |           | ug/l  | 2.5 | 0.70 |
| trans-1,4-Dichloro-2-butene   | ND     |           | ug/l  | 2.5 | 0.70 |

| Surrogate             | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 106       |           | 70-130              |
| Toluene-d8            | 98        |           | 70-130              |
| 4-Bromofluorobenzene  | 103       |           | 70-130              |
| Dibromofluoromethane  | 109       |           | 70-130              |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2223865

Project Number: 3883.0001Y000

Report Date: 05/13/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1636153-3 WG1636153-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride  | 93               |      | 92                |      | 70-130              | 1   |      | 30            |
| 1,1-Dichloroethane  | 90               |      | 92                |      | 70-130              | 2   |      | 30            |
| Chloroform  | 87               |      | 90                |      | 70-130              | 3   |      | 30            |
| Carbon tetrachloride  | 88               |      | 91                |      | 70-130              | 3   |      | 30            |
| 1,2-Dichloropropane   | 94               |      | 96                |      | 70-130              | 2   |      | 30            |
| Dibromochloromethane  | 90               |      | 93                |      | 70-130              | 3   |      | 30            |
| 1,1,2-Trichloroethane   | 96               |      | 99                |      | 70-130              | 3   |      | 30            |
| Tetrachloroethene   | 94               |      | 95                |      | 70-130              | 1   |      | 30            |
| Chlorobenzene   | 89               |      | 91                |      | 70-130              | 2   |      | 30            |
| Trichlorofluoromethane  | 85               |      | 86                |      | 70-139              | 1   |      | 30            |
| 1,2-Dichloroethane  | 85               |      | 88                |      | 70-130              | 3   |      | 30            |
| 1,1,1-Trichloroethane   | 92               |      | 93                |      | 70-130              | 1   |      | 30            |
| Bromodichloromethane  | 92               |      | 94                |      | 70-130              | 2   |      | 30            |
| trans-1,3-Dichloropropene   | 85               |      | 89                |      | 70-130              | 5   |      | 30            |
| cis-1,3-Dichloropropene   | 86               |      | 90                |      | 70-130              | 5   |      | 30            |
| 1,1-Dichloropropene   | 92               |      | 93                |      | 70-130              | 1   |      | 30            |
| Bromoform   | 89               |      | 94                |      | 70-130              | 5   |      | 30            |
| 1,1,2,2-Tetrachloroethane   | 88               |      | 93                |      | 70-130              | 6   |      | 30            |
| Benzene   | 90               |      | 92                |      | 70-130              | 2   |      | 30            |
| Toluene   | 88               |      | 88                |      | 70-130              | 0   |      | 30            |
| Ethylbenzene  | 89               |      | 90                |      | 70-130              | 1   |      | 30            |
| Chloromethane   | 81               |      | 82                |      | 52-130              | 1   |      | 30            |
| Bromomethane  | 103              |      | 99                |      | 57-147              | 4   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2223865

**Project Number:** 3883.0001Y000

**Report Date:** 05/13/22

| Parameter   | LCS       |      | LCSD      |      | %Recovery Limits | RPD | Qual | RPD Limits |
|---|-----------|------|-----------|------|------------------|-----|------|------------|
|   | %Recovery | Qual | %Recovery | Qual |                  |     |      |            |
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1636153-3 WG1636153-4 |           |      |           |      |                  |     |      |            |
| Vinyl chloride  | 84        |      | 85        |      | 67-130           | 1   |      | 30         |
| Chloroethane  | 90        |      | 90        |      | 50-151           | 0   |      | 30         |
| 1,1-Dichloroethene  | 91        |      | 92        |      | 65-135           | 1   |      | 30         |
| trans-1,2-Dichloroethene  | 90        |      | 92        |      | 70-130           | 2   |      | 30         |
| Trichloroethene   | 92        |      | 93        |      | 70-130           | 1   |      | 30         |
| 1,2-Dichlorobenzene   | 92        |      | 95        |      | 70-130           | 3   |      | 30         |
| 1,3-Dichlorobenzene   | 92        |      | 93        |      | 70-130           | 1   |      | 30         |
| 1,4-Dichlorobenzene   | 91        |      | 93        |      | 70-130           | 2   |      | 30         |
| Methyl tert butyl ether   | 93        |      | 97        |      | 66-130           | 4   |      | 30         |
| p/m-Xylene  | 93        |      | 95        |      | 70-130           | 2   |      | 30         |
| o-Xylene  | 92        |      | 95        |      | 70-130           | 3   |      | 30         |
| cis-1,2-Dichloroethene  | 90        |      | 91        |      | 70-130           | 1   |      | 30         |
| Dibromomethane  | 87        |      | 92        |      | 70-130           | 6   |      | 30         |
| Styrene   | 95        |      | 98        |      | 70-130           | 3   |      | 30         |
| Dichlorodifluoromethane   | 69        |      | 68        |      | 30-146           | 1   |      | 30         |
| Acetone   | 76        |      | 85        |      | 54-140           | 11  |      | 30         |
| Carbon disulfide  | 89        |      | 91        |      | 59-130           | 2   |      | 30         |
| 2-Butanone  | 79        |      | 84        |      | 70-130           | 6   |      | 30         |
| Vinyl acetate   | 93        |      | 98        |      | 70-130           | 5   |      | 30         |
| 4-Methyl-2-pentanone  | 95        |      | 100       |      | 70-130           | 5   |      | 30         |
| 1,2,3-Trichloropropane  | 84        |      | 91        |      | 68-130           | 8   |      | 30         |
| 2-Hexanone  | 82        |      | 90        |      | 70-130           | 9   |      | 30         |
| Bromochloromethane  | 93        |      | 95        |      | 70-130           | 2   |      | 30         |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2223865

Project Number: 3883.0001Y000

Report Date: 05/13/22

| Parameter   | LCS       |      | LCSD      |      | %Recovery Limits | RPD | RPD  |        |
|---|-----------|------|-----------|------|------------------|-----|------|--------|
|   | %Recovery | Qual | %Recovery | Qual |                  |     | Qual | Limits |
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1636153-3 WG1636153-4 |           |      |           |      |                  |     |      |        |
| 2,2-Dichloropropane   | 93        |      | 93        |      | 70-130           | 0   |      | 30     |
| 1,2-Dibromoethane   | 95        |      | 101       |      | 70-130           | 6   |      | 30     |
| 1,3-Dichloropropane   | 91        |      | 96        |      | 69-130           | 5   |      | 30     |
| 1,1,1,2-Tetrachloroethane   | 85        |      | 88        |      | 70-130           | 3   |      | 30     |
| Bromobenzene  | 92        |      | 94        |      | 70-130           | 2   |      | 30     |
| n-Butylbenzene  | 90        |      | 92        |      | 70-130           | 2   |      | 30     |
| sec-Butylbenzene  | 93        |      | 93        |      | 70-130           | 0   |      | 30     |
| tert-Butylbenzene   | 92        |      | 92        |      | 70-130           | 0   |      | 30     |
| o-Chlorotoluene   | 90        |      | 105       |      | 70-130           | 15  |      | 30     |
| p-Chlorotoluene   | 91        |      | 92        |      | 70-130           | 1   |      | 30     |
| 1,2-Dibromo-3-chloropropane   | 80        |      | 84        |      | 68-130           | 5   |      | 30     |
| Hexachlorobutadiene   | 94        |      | 94        |      | 67-130           | 0   |      | 30     |
| Isopropylbenzene  | 92        |      | 92        |      | 70-130           | 0   |      | 30     |
| p-Isopropyltoluene  | 94        |      | 94        |      | 70-130           | 0   |      | 30     |
| Naphthalene   | 89        |      | 94        |      | 70-130           | 5   |      | 30     |
| Acrylonitrile   | 84        |      | 91        |      | 70-130           | 8   |      | 30     |
| n-Propylbenzene   | 93        |      | 93        |      | 70-130           | 0   |      | 30     |
| 1,2,3-Trichlorobenzene  | 86        |      | 90        |      | 70-130           | 5   |      | 30     |
| 1,2,4-Trichlorobenzene  | 87        |      | 88        |      | 70-130           | 1   |      | 30     |
| 1,3,5-Trimethylbenzene  | 90        |      | 92        |      | 70-130           | 2   |      | 30     |
| 1,2,4-Trimethylbenzene  | 89        |      | 91        |      | 70-130           | 2   |      | 30     |
| 1,4-Dioxane   | 84        |      | 91        |      | 65-136           | 8   |      | 30     |
| p-Diethylbenzene  | 91        |      | 93        |      | 70-130           | 2   |      | 30     |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2223865

Project Number: 3883.0001Y000

Report Date: 05/13/22

| Parameter   | LCS       |      | LCSD      |      | %Recovery<br>Limits | RPD | RPD  |        |
|---|-----------|------|-----------|------|---------------------|-----|------|--------|
|   | %Recovery | Qual | %Recovery | Qual |                     |     | Qual | Limits |
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1636153-3 WG1636153-4 |           |      |           |      |                     |     |      |        |
| p-Ethyltoluene  | 92        |      | 92        |      | 70-130              | 0   |      | 30     |
| 1,2,4,5-Tetramethylbenzene  | 73        |      | 74        |      | 70-130              | 1   |      | 30     |
| Ethyl ether   | 93        |      | 96        |      | 67-130              | 3   |      | 30     |
| trans-1,4-Dichloro-2-butene   | 85        |      | 89        |      | 70-130              | 5   |      | 30     |

| Surrogate             | LCS       |      | LCSD      |      | Acceptance<br>Criteria |
|-----------------------|-----------|------|-----------|------|------------------------|
|                       | %Recovery | Qual | %Recovery | Qual |                        |
| 1,2-Dichloroethane-d4 | 94        |      | 96        |      | 70-130                 |
| Toluene-d8            | 100       |      | 101       |      | 70-130                 |
| 4-Bromofluorobenzene  | 99        |      | 100       |      | 70-130                 |
| Dibromofluoromethane  | 101       |      | 102       |      | 70-130                 |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2223865

Project Number: 3883.0001Y000

Report Date: 05/13/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1636986-3 WG1636986-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride   | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| 1,1-Dichloroethane   | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| Chloroform   | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| Carbon tetrachloride   | 110              |      | 110               |      | 63-132              | 0   |      | 20            |
| 1,2-Dichloropropane  | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| Dibromochloromethane   | 93               |      | 99                |      | 63-130              | 6   |      | 20            |
| 1,1,2-Trichloroethane  | 90               |      | 96                |      | 70-130              | 6   |      | 20            |
| Tetrachloroethene  | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| Chlorobenzene  | 100              |      | 100               |      | 75-130              | 0   |      | 20            |
| Trichlorofluoromethane   | 110              |      | 110               |      | 62-150              | 0   |      | 20            |
| 1,2-Dichloroethane   | 97               |      | 100               |      | 70-130              | 3   |      | 20            |
| 1,1,1-Trichloroethane  | 110              |      | 110               |      | 67-130              | 0   |      | 20            |
| Bromodichloromethane   | 100              |      | 100               |      | 67-130              | 0   |      | 20            |
| trans-1,3-Dichloropropene  | 94               |      | 99                |      | 70-130              | 5   |      | 20            |
| cis-1,3-Dichloropropene  | 99               |      | 100               |      | 70-130              | 1   |      | 20            |
| 1,1-Dichloropropene  | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| Bromoform  | 89               |      | 97                |      | 54-136              | 9   |      | 20            |
| 1,1,2,2-Tetrachloroethane  | 94               |      | 99                |      | 67-130              | 5   |      | 20            |
| Benzene  | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| Toluene  | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| Ethylbenzene   | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| Chloromethane  | 120              |      | 110               |      | 64-130              | 9   |      | 20            |
| Bromomethane   | 150              | Q    | 140               | Q    | 39-139              | 7   |      | 20            |



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2223865

Project Number: 3883.0001Y000

Report Date: 05/13/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1636986-3 WG1636986-4 |                  |      |                   |      |                     |     |      |               |
| Vinyl chloride   | 120              |      | 110               |      | 55-140              | 9   |      | 20            |
| Chloroethane   | 120              |      | 110               |      | 55-138              | 9   |      | 20            |
| 1,1-Dichloroethene   | 110              |      | 110               |      | 61-145              | 0   |      | 20            |
| trans-1,2-Dichloroethene   | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| Trichloroethene  | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| 1,2-Dichlorobenzene  | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| 1,3-Dichlorobenzene  | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| 1,4-Dichlorobenzene  | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| Methyl tert butyl ether  | 88               |      | 95                |      | 63-130              | 8   |      | 20            |
| p/m-Xylene   | 115              |      | 110               |      | 70-130              | 4   |      | 20            |
| o-Xylene   | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| cis-1,2-Dichloroethene   | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| Dibromomethane   | 95               |      | 96                |      | 70-130              | 1   |      | 20            |
| 1,2,3-Trichloropropane   | 90               |      | 97                |      | 64-130              | 7   |      | 20            |
| Acrylonitrile  | 93               |      | 98                |      | 70-130              | 5   |      | 20            |
| Styrene  | 115              |      | 115               |      | 70-130              | 0   |      | 20            |
| Dichlorodifluoromethane  | 110              |      | 110               |      | 36-147              | 0   |      | 20            |
| Acetone  | 85               |      | 85                |      | 58-148              | 0   |      | 20            |
| Carbon disulfide   | 120              |      | 110               |      | 51-130              | 9   |      | 20            |
| 2-Butanone   | 77               |      | 81                |      | 63-138              | 5   |      | 20            |
| Vinyl acetate  | 99               |      | 100               |      | 70-130              | 1   |      | 20            |
| 4-Methyl-2-pentanone   | 78               |      | 87                |      | 59-130              | 11  |      | 20            |
| 2-Hexanone   | 77               |      | 87                |      | 57-130              | 12  |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2223865

Project Number: 3883.0001Y000

Report Date: 05/13/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1636986-3 WG1636986-4 |                  |      |                   |      |                     |     |      |               |
| Bromochloromethane   | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| 2,2-Dichloropropane  | 110              |      | 110               |      | 63-133              | 0   |      | 20            |
| 1,2-Dibromoethane  | 90               |      | 97                |      | 70-130              | 7   |      | 20            |
| 1,3-Dichloropropane  | 93               |      | 99                |      | 70-130              | 6   |      | 20            |
| 1,1,1,2-Tetrachloroethane  | 95               |      | 99                |      | 64-130              | 4   |      | 20            |
| Bromobenzene   | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| n-Butylbenzene   | 110              |      | 110               |      | 53-136              | 0   |      | 20            |
| sec-Butylbenzene   | 120              |      | 110               |      | 70-130              | 9   |      | 20            |
| tert-Butylbenzene  | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| o-Chlorotoluene  | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| p-Chlorotoluene  | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| 1,2-Dibromo-3-chloropropane  | 93               |      | 99                |      | 41-144              | 6   |      | 20            |
| Hexachlorobutadiene  | 100              |      | 100               |      | 63-130              | 0   |      | 20            |
| Isopropylbenzene   | 120              |      | 110               |      | 70-130              | 9   |      | 20            |
| p-Isopropyltoluene   | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| Naphthalene  | 95               |      | 100               |      | 70-130              | 5   |      | 20            |
| n-Propylbenzene  | 120              |      | 110               |      | 69-130              | 9   |      | 20            |
| 1,2,3-Trichlorobenzene   | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| 1,2,4-Trichlorobenzene   | 99               |      | 100               |      | 70-130              | 1   |      | 20            |
| 1,3,5-Trimethylbenzene   | 110              |      | 110               |      | 64-130              | 0   |      | 20            |
| 1,2,4-Trimethylbenzene   | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| 1,4-Dioxane  | 82               |      | 86                |      | 56-162              | 5   |      | 20            |
| p-Diethylbenzene   | 110              |      | 110               |      | 70-130              | 0   |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD

**Project Number:** 3883.0001Y000

**Lab Number:** L2223865

**Report Date:** 05/13/22

| Parameter  | LCS       |      | LCSD      |      | %Recovery Limits | RPD | RPD  |        |
|--|-----------|------|-----------|------|------------------|-----|------|--------|
|  | %Recovery | Qual | %Recovery | Qual |                  |     | Qual | Limits |
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1636986-3 WG1636986-4 |           |      |           |      |                  |     |      |        |
| p-Ethyltoluene   | 110       |      | 110       |      | 70-130           | 0   |      | 20     |
| 1,2,4,5-Tetramethylbenzene   | 100       |      | 100       |      | 70-130           | 0   |      | 20     |
| Ethyl ether  | 93        |      | 97        |      | 59-134           | 4   |      | 20     |
| trans-1,4-Dichloro-2-butene  | 88        |      | 96        |      | 70-130           | 9   |      | 20     |

| Surrogate             | LCS       |      | LCSD      |      | Acceptance Criteria |
|-----------------------|-----------|------|-----------|------|---------------------|
|                       | %Recovery | Qual | %Recovery | Qual |                     |
| 1,2-Dichloroethane-d4 | 95        |      | 97        |      | 70-130              |
| Toluene-d8            | 103       |      | 101       |      | 70-130              |
| 4-Bromofluorobenzene  | 104       |      | 101       |      | 70-130              |
| Dibromofluoromethane  | 101       |      | 98        |      | 70-130              |

# SEMIVOLATILES

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**SAMPLE RESULTS**

Lab ID: L2223865-01  
 Client ID: SB011(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 05/05/22 12:05  
 Date Received: 05/05/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 05/08/22 13:56  
 Analyst: SZ  
 Percent Solids: 89%

Extraction Method: EPA 3546  
 Extraction Date: 05/06/22 23:39

| Parameter   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |     |                 |
| Acenaphthene  | ND     |           | ug/kg | 150 | 19. | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 180 | 21. | 1               |
| Hexachlorobenzene                                       | ND     |           | ug/kg | 110 | 20. | 1               |
| Bis(2-chloroethyl)ether                                 | ND     |           | ug/kg | 160 | 25. | 1               |
| 2-Chloronaphthalene                                     | ND     |           | ug/kg | 180 | 18. | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 33. | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 32. | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 32. | 1               |
| 3,3'-Dichlorobenzidine                                  | ND     |           | ug/kg | 180 | 49. | 1               |
| 2,4-Dinitrotoluene                                      | ND     |           | ug/kg | 180 | 37. | 1               |
| 2,6-Dinitrotoluene                                      | ND     |           | ug/kg | 180 | 32. | 1               |
| Fluoranthene  | 590    |           | ug/kg | 110 | 21. | 1               |
| 4-Chlorophenyl phenyl ether                             | ND     |           | ug/kg | 180 | 20. | 1               |
| 4-Bromophenyl phenyl ether                              | ND     |           | ug/kg | 180 | 28. | 1               |
| Bis(2-chloroisopropyl)ether                             | ND     |           | ug/kg | 220 | 31. | 1               |
| Bis(2-chloroethoxy)methane                              | ND     |           | ug/kg | 200 | 18. | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 180 | 27. | 1               |
| Hexachlorocyclopentadiene                               | ND     |           | ug/kg | 520 | 170 | 1               |
| Hexachloroethane  | ND     |           | ug/kg | 150 | 30. | 1               |
| Isophorone  | ND     |           | ug/kg | 160 | 24. | 1               |
| Naphthalene   | ND     |           | ug/kg | 180 | 22. | 1               |
| Nitrobenzene  | ND     |           | ug/kg | 160 | 27. | 1               |
| NDPA/DPA  | ND     |           | ug/kg | 150 | 21. | 1               |
| n-Nitrosodi-n-propylamine                               | ND     |           | ug/kg | 180 | 28. | 1               |
| Bis(2-ethylhexyl)phthalate                              | ND     |           | ug/kg | 180 | 64. | 1               |
| Butyl benzyl phthalate                                  | ND     |           | ug/kg | 180 | 46. | 1               |
| Di-n-butylphthalate                                     | ND     |           | ug/kg | 180 | 35. | 1               |
| Di-n-octylphthalate                                     | ND     |           | ug/kg | 180 | 62. | 1               |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2223865

Project Number: 3883.0001Y000

Report Date: 05/13/22

## SAMPLE RESULTS

Lab ID: L2223865-01

Date Collected: 05/05/22 12:05

Client ID: SB011(0-2)

Date Received: 05/05/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 180 | 17. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 180 | 38. | 1               |
| Benzo(a)anthracene                               | 420    |           | ug/kg | 110 | 21. | 1               |
| Benzo(a)pyrene                                   | 380    |           | ug/kg | 150 | 45. | 1               |
| Benzo(b)fluoranthene                             | 490    |           | ug/kg | 110 | 31. | 1               |
| Benzo(k)fluoranthene                             | 160    |           | ug/kg | 110 | 29. | 1               |
| Chrysene   | 410    |           | ug/kg | 110 | 19. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 150 | 28. | 1               |
| Anthracene                                       | 48     | J         | ug/kg | 110 | 36. | 1               |
| Benzo(ghi)perylene                               | 240    |           | ug/kg | 150 | 22. | 1               |
| Fluorene   | ND     |           | ug/kg | 180 | 18. | 1               |
| Phenanthrene                                     | 170    |           | ug/kg | 110 | 22. | 1               |
| Dibenzo(a,h)anthracene                           | 50     | J         | ug/kg | 110 | 21. | 1               |
| Indeno(1,2,3-cd)pyrene                           | 260    |           | ug/kg | 150 | 26. | 1               |
| Pyrene   | 570    |           | ug/kg | 110 | 18. | 1               |
| Biphenyl   | ND     |           | ug/kg | 420 | 24. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 180 | 33. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 180 | 35. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 180 | 35. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 180 | 76. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 180 | 17. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 220 | 22. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 180 | 19. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 180 | 23. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 110 | 35. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 180 | 27. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 180 | 22. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 160 | 30. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 180 | 61. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 400 | 69. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 260 | 75. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 880 | 86. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 480 | 88. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 150 | 40. | 1               |
| Phenol   | ND     |           | ug/kg | 180 | 28. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 180 | 28. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 260 | 29. | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**SAMPLE RESULTS**

Lab ID: L2223865-01  
 Client ID: SB011(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 05/05/22 12:05  
 Date Received: 05/05/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 180 | 35. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 600 | 180 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 180 | 56. | 1               |
| Carbazole  | 20     | J         | ug/kg | 180 | 18. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 28  | 8.4 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 70         |           | 25-120              |
| Phenol-d6            | 74         |           | 10-120              |
| Nitrobenzene-d5      | 74         |           | 23-120              |
| 2-Fluorobiphenyl     | 62         |           | 30-120              |
| 2,4,6-Tribromophenol | 56         |           | 10-136              |
| 4-Terphenyl-d14      | 51         |           | 18-120              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**SAMPLE RESULTS**

Lab ID: L2223865-02  
 Client ID: SB011(15-17)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 05/05/22 14:05  
 Date Received: 05/05/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 05/08/22 13:32  
 Analyst: SZ  
 Percent Solids: 74%

Extraction Method: EPA 3546  
 Extraction Date: 05/07/22 03:03

| Parameter   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |     |                 |
| Acenaphthene  | ND     |           | ug/kg | 180 | 23. | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 220 | 25. | 1               |
| Hexachlorobenzene                                       | ND     |           | ug/kg | 130 | 25. | 1               |
| Bis(2-chloroethyl)ether                                 | ND     |           | ug/kg | 200 | 30. | 1               |
| 2-Chloronaphthalene                                     | ND     |           | ug/kg | 220 | 22. | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 220 | 40. | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 220 | 38. | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 220 | 38. | 1               |
| 3,3'-Dichlorobenzidine                                  | ND     |           | ug/kg | 220 | 58. | 1               |
| 2,4-Dinitrotoluene                                      | ND     |           | ug/kg | 220 | 44. | 1               |
| 2,6-Dinitrotoluene                                      | ND     |           | ug/kg | 220 | 38. | 1               |
| Fluoranthene  | 39     | J         | ug/kg | 130 | 25. | 1               |
| 4-Chlorophenyl phenyl ether                             | ND     |           | ug/kg | 220 | 24. | 1               |
| 4-Bromophenyl phenyl ether                              | ND     |           | ug/kg | 220 | 34. | 1               |
| Bis(2-chloroisopropyl)ether                             | ND     |           | ug/kg | 260 | 38. | 1               |
| Bis(2-chloroethoxy)methane                              | ND     |           | ug/kg | 240 | 22. | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 220 | 32. | 1               |
| Hexachlorocyclopentadiene                               | ND     |           | ug/kg | 630 | 200 | 1               |
| Hexachloroethane  | ND     |           | ug/kg | 180 | 36. | 1               |
| Isophorone  | ND     |           | ug/kg | 200 | 28. | 1               |
| Naphthalene   | ND     |           | ug/kg | 220 | 27. | 1               |
| Nitrobenzene  | ND     |           | ug/kg | 200 | 32. | 1               |
| NDPA/DPA  | ND     |           | ug/kg | 180 | 25. | 1               |
| n-Nitrosodi-n-propylamine                               | ND     |           | ug/kg | 220 | 34. | 1               |
| Bis(2-ethylhexyl)phthalate                              | ND     |           | ug/kg | 220 | 76. | 1               |
| Butyl benzyl phthalate                                  | ND     |           | ug/kg | 220 | 55. | 1               |
| Di-n-butylphthalate                                     | ND     |           | ug/kg | 220 | 42. | 1               |
| Di-n-octylphthalate                                     | ND     |           | ug/kg | 220 | 75. | 1               |



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2223865

Project Number: 3883.0001Y000

Report Date: 05/13/22

## SAMPLE RESULTS

Lab ID: L2223865-02

Date Collected: 05/05/22 14:05

Client ID: SB011(15-17)

Date Received: 05/05/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|--|--------|-----------|-------|------|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |      |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 220  | 20. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 220  | 46. | 1               |
| Benzo(a)anthracene                               | ND     |           | ug/kg | 130  | 25. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 180  | 54. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 130  | 37. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 130  | 35. | 1               |
| Chrysene   | ND     |           | ug/kg | 130  | 23. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 180  | 34. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 130  | 43. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 180  | 26. | 1               |
| Fluorene   | ND     |           | ug/kg | 220  | 21. | 1               |
| Phenanthrene                                     | 36     | J         | ug/kg | 130  | 27. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 130  | 25. | 1               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 180  | 31. | 1               |
| Pyrene   | 33     | J         | ug/kg | 130  | 22. | 1               |
| Biphenyl   | ND     |           | ug/kg | 500  | 28. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 220  | 40. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 220  | 42. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 220  | 41. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 220  | 91. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 220  | 21. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 260  | 26. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 220  | 23. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 220  | 27. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 130  | 42. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 220  | 33. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 220  | 26. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 200  | 35. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 220  | 72. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 480  | 83. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 310  | 90. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 1000 | 100 | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 570  | 100 | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 180  | 48. | 1               |
| Phenol   | ND     |           | ug/kg | 220  | 33. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 220  | 34. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 320  | 34. | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**SAMPLE RESULTS**

Lab ID: L2223865-02  
 Client ID: SB011(15-17)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 05/05/22 14:05  
 Date Received: 05/05/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 220 | 42. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 710 | 220 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 220 | 67. | 1               |
| Carbazole  | ND     |           | ug/kg | 220 | 21. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 33  | 10. | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 74         |           | 25-120              |
| Phenol-d6            | 91         |           | 10-120              |
| Nitrobenzene-d5      | 89         |           | 23-120              |
| 2-Fluorobiphenyl     | 82         |           | 30-120              |
| 2,4,6-Tribromophenol | 58         |           | 10-136              |
| 4-Terphenyl-d14      | 72         |           | 18-120              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 05/07/22 11:52  
Analyst: CMM

Extraction Method: EPA 3546  
Extraction Date: 05/06/22 23:35

| Parameter  | Result | Qualifier | Units | RL  | MDL |
|--|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1635609-1 |        |           |       |     |     |
| Acenaphthene   | ND     |           | ug/kg | 130 | 17. |
| 1,2,4-Trichlorobenzene   | ND     |           | ug/kg | 160 | 19. |
| Hexachlorobenzene  | ND     |           | ug/kg | 98  | 18. |
| Bis(2-chloroethyl)ether  | ND     |           | ug/kg | 150 | 22. |
| 2-Chloronaphthalene  | ND     |           | ug/kg | 160 | 16. |
| 1,2-Dichlorobenzene  | ND     |           | ug/kg | 160 | 29. |
| 1,3-Dichlorobenzene  | ND     |           | ug/kg | 160 | 28. |
| 1,4-Dichlorobenzene  | ND     |           | ug/kg | 160 | 28. |
| 3,3'-Dichlorobenzidine   | ND     |           | ug/kg | 160 | 43. |
| 2,4-Dinitrotoluene   | ND     |           | ug/kg | 160 | 33. |
| 2,6-Dinitrotoluene   | ND     |           | ug/kg | 160 | 28. |
| Fluoranthene   | ND     |           | ug/kg | 98  | 19. |
| 4-Chlorophenyl phenyl ether  | ND     |           | ug/kg | 160 | 17. |
| 4-Bromophenyl phenyl ether   | ND     |           | ug/kg | 160 | 25. |
| Bis(2-chloroisopropyl)ether  | ND     |           | ug/kg | 200 | 28. |
| Bis(2-chloroethoxy)methane   | ND     |           | ug/kg | 180 | 16. |
| Hexachlorobutadiene  | ND     |           | ug/kg | 160 | 24. |
| Hexachlorocyclopentadiene  | ND     |           | ug/kg | 470 | 150 |
| Hexachloroethane   | ND     |           | ug/kg | 130 | 26. |
| Isophorone   | ND     |           | ug/kg | 150 | 21. |
| Naphthalene  | 53     | J         | ug/kg | 160 | 20. |
| Nitrobenzene   | ND     |           | ug/kg | 150 | 24. |
| NDPA/DPA   | ND     |           | ug/kg | 130 | 18. |
| n-Nitrosodi-n-propylamine  | ND     |           | ug/kg | 160 | 25. |
| Bis(2-ethylhexyl)phthalate   | ND     |           | ug/kg | 160 | 56. |
| Butyl benzyl phthalate   | ND     |           | ug/kg | 160 | 41. |
| Di-n-butylphthalate  | ND     |           | ug/kg | 160 | 31. |
| Di-n-octylphthalate  | ND     |           | ug/kg | 160 | 55. |
| Diethyl phthalate  | ND     |           | ug/kg | 160 | 15. |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 05/07/22 11:52  
Analyst: CMM

Extraction Method: EPA 3546  
Extraction Date: 05/06/22 23:35

| Parameter  | Result | Qualifier | Units | RL  | MDL |
|--|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1635609-1 |        |           |       |     |     |
| Dimethyl phthalate   | ND     |           | ug/kg | 160 | 34. |
| Benzo(a)anthracene   | ND     |           | ug/kg | 98  | 18. |
| Benzo(a)pyrene   | ND     |           | ug/kg | 130 | 40. |
| Benzo(b)fluoranthene   | ND     |           | ug/kg | 98  | 27. |
| Benzo(k)fluoranthene   | ND     |           | ug/kg | 98  | 26. |
| Chrysene   | ND     |           | ug/kg | 98  | 17. |
| Acenaphthylene   | ND     |           | ug/kg | 130 | 25. |
| Anthracene   | ND     |           | ug/kg | 98  | 32. |
| Benzo(ghi)perylene   | ND     |           | ug/kg | 130 | 19. |
| Fluorene   | ND     |           | ug/kg | 160 | 16. |
| Phenanthrene   | ND     |           | ug/kg | 98  | 20. |
| Dibenzo(a,h)anthracene   | ND     |           | ug/kg | 98  | 19. |
| Indeno(1,2,3-cd)pyrene   | ND     |           | ug/kg | 130 | 23. |
| Pyrene   | ND     |           | ug/kg | 98  | 16. |
| Biphenyl   | ND     |           | ug/kg | 370 | 21. |
| 4-Chloroaniline  | ND     |           | ug/kg | 160 | 30. |
| 2-Nitroaniline   | ND     |           | ug/kg | 160 | 31. |
| 3-Nitroaniline   | ND     |           | ug/kg | 160 | 31. |
| 4-Nitroaniline   | ND     |           | ug/kg | 160 | 68. |
| Dibenzofuran   | ND     |           | ug/kg | 160 | 15. |
| 2-Methylnaphthalene  | ND     |           | ug/kg | 200 | 20. |
| 1,2,4,5-Tetrachlorobenzene   | ND     |           | ug/kg | 160 | 17. |
| Acetophenone   | ND     |           | ug/kg | 160 | 20. |
| 2,4,6-Trichlorophenol  | ND     |           | ug/kg | 98  | 31. |
| p-Chloro-m-cresol  | ND     |           | ug/kg | 160 | 24. |
| 2-Chlorophenol   | ND     |           | ug/kg | 160 | 19. |
| 2,4-Dichlorophenol   | ND     |           | ug/kg | 150 | 26. |
| 2,4-Dimethylphenol   | ND     |           | ug/kg | 160 | 54. |
| 2-Nitrophenol  | ND     |           | ug/kg | 350 | 61. |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 05/07/22 11:52  
Analyst: CMM

Extraction Method: EPA 3546  
Extraction Date: 05/06/22 23:35

| Parameter  | Result | Qualifier | Units | RL  | MDL |
|--|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1635609-1 |        |           |       |     |     |
| 4-Nitrophenol  | ND     |           | ug/kg | 230 | 66. |
| 2,4-Dinitrophenol  | ND     |           | ug/kg | 780 | 76. |
| 4,6-Dinitro-o-cresol   | ND     |           | ug/kg | 420 | 78. |
| Pentachlorophenol  | ND     |           | ug/kg | 130 | 36. |
| Phenol   | ND     |           | ug/kg | 160 | 25. |
| 2-Methylphenol   | ND     |           | ug/kg | 160 | 25. |
| 3-Methylphenol/4-Methylphenol  | ND     |           | ug/kg | 230 | 26. |
| 2,4,5-Trichlorophenol  | ND     |           | ug/kg | 160 | 31. |
| Benzoic Acid   | ND     |           | ug/kg | 530 | 160 |
| Benzyl Alcohol   | ND     |           | ug/kg | 160 | 50. |
| Carbazole  | ND     |           | ug/kg | 160 | 16. |
| 1,4-Dioxane  | ND     |           | ug/kg | 24  | 7.5 |

| Surrogate            | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|---------------------|
| 2-Fluorophenol       | 75        |           | 25-120              |
| Phenol-d6            | 79        |           | 10-120              |
| Nitrobenzene-d5      | 72        |           | 23-120              |
| 2-Fluorobiphenyl     | 72        |           | 30-120              |
| 2,4,6-Tribromophenol | 87        |           | 10-136              |
| 4-Terphenyl-d14      | 76        |           | 18-120              |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2223865

Project Number: 3883.0001Y000

Report Date: 05/13/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1635609-2 WG1635609-3 |                  |      |                   |      |                     |     |      |               |
| Acenaphthene  | 58               |      | 62                |      | 31-137              | 7   |      | 50            |
| 1,2,4-Trichlorobenzene  | 63               |      | 67                |      | 38-107              | 6   |      | 50            |
| Hexachlorobenzene   | 73               |      | 76                |      | 40-140              | 4   |      | 50            |
| Bis(2-chloroethyl)ether   | 62               |      | 66                |      | 40-140              | 6   |      | 50            |
| 2-Chloronaphthalene   | 66               |      | 68                |      | 40-140              | 3   |      | 50            |
| 1,2-Dichlorobenzene   | 60               |      | 65                |      | 40-140              | 8   |      | 50            |
| 1,3-Dichlorobenzene   | 59               |      | 63                |      | 40-140              | 7   |      | 50            |
| 1,4-Dichlorobenzene   | 59               |      | 63                |      | 28-104              | 7   |      | 50            |
| 3,3'-Dichlorobenzidine  | 58               |      | 56                |      | 40-140              | 4   |      | 50            |
| 2,4-Dinitrotoluene  | 68               |      | 72                |      | 40-132              | 6   |      | 50            |
| 2,6-Dinitrotoluene  | 71               |      | 73                |      | 40-140              | 3   |      | 50            |
| Fluoranthene  | 62               |      | 65                |      | 40-140              | 5   |      | 50            |
| 4-Chlorophenyl phenyl ether   | 61               |      | 64                |      | 40-140              | 5   |      | 50            |
| 4-Bromophenyl phenyl ether  | 67               |      | 68                |      | 40-140              | 1   |      | 50            |
| Bis(2-chloroisopropyl)ether   | 59               |      | 64                |      | 40-140              | 8   |      | 50            |
| Bis(2-chloroethoxy)methane  | 65               |      | 70                |      | 40-117              | 7   |      | 50            |
| Hexachlorobutadiene   | 62               |      | 67                |      | 40-140              | 8   |      | 50            |
| Hexachlorocyclopentadiene   | 41               |      | 46                |      | 40-140              | 11  |      | 50            |
| Hexachloroethane  | 58               |      | 63                |      | 40-140              | 8   |      | 50            |
| Isophorone  | 67               |      | 71                |      | 40-140              | 6   |      | 50            |
| Naphthalene   | 66               |      | 68                |      | 40-140              | 3   |      | 50            |
| Nitrobenzene  | 70               |      | 75                |      | 40-140              | 7   |      | 50            |
| NDPA/DPA  | 62               |      | 66                |      | 36-157              | 6   |      | 50            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2223865

**Project Number:** 3883.0001Y000

**Report Date:** 05/13/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1635609-2 WG1635609-3 |                  |      |                   |      |                     |     |      |               |
| n-Nitrosodi-n-propylamine   | 66               |      | 72                |      | 32-121              | 9   |      | 50            |
| Bis(2-ethylhexyl)phthalate  | 57               |      | 59                |      | 40-140              | 3   |      | 50            |
| Butyl benzyl phthalate  | 64               |      | 66                |      | 40-140              | 3   |      | 50            |
| Di-n-butylphthalate   | 66               |      | 68                |      | 40-140              | 3   |      | 50            |
| Di-n-octylphthalate   | 58               |      | 60                |      | 40-140              | 3   |      | 50            |
| Diethyl phthalate   | 62               |      | 66                |      | 40-140              | 6   |      | 50            |
| Dimethyl phthalate  | 68               |      | 71                |      | 40-140              | 4   |      | 50            |
| Benzo(a)anthracene  | 63               |      | 65                |      | 40-140              | 3   |      | 50            |
| Benzo(a)pyrene  | 68               |      | 70                |      | 40-140              | 3   |      | 50            |
| Benzo(b)fluoranthene  | 66               |      | 66                |      | 40-140              | 0   |      | 50            |
| Benzo(k)fluoranthene  | 64               |      | 66                |      | 40-140              | 3   |      | 50            |
| Chrysene  | 59               |      | 61                |      | 40-140              | 3   |      | 50            |
| Acenaphthylene  | 68               |      | 73                |      | 40-140              | 7   |      | 50            |
| Anthracene  | 59               |      | 63                |      | 40-140              | 7   |      | 50            |
| Benzo(ghi)perylene  | 67               |      | 69                |      | 40-140              | 3   |      | 50            |
| Fluorene  | 61               |      | 65                |      | 40-140              | 6   |      | 50            |
| Phenanthrene  | 58               |      | 60                |      | 40-140              | 3   |      | 50            |
| Dibenzo(a,h)anthracene  | 73               |      | 73                |      | 40-140              | 0   |      | 50            |
| Indeno(1,2,3-cd)pyrene  | 77               |      | 79                |      | 40-140              | 3   |      | 50            |
| Pyrene  | 61               |      | 63                |      | 35-142              | 3   |      | 50            |
| Biphenyl  | 64               |      | 69                |      | 37-127              | 8   |      | 50            |
| 4-Chloroaniline   | 65               |      | 66                |      | 40-140              | 2   |      | 50            |
| 2-Nitroaniline  | 76               |      | 79                |      | 47-134              | 4   |      | 50            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2223865

**Project Number:** 3883.0001Y000

**Report Date:** 05/13/22

| Parameter   | LCS       |      | LCSD      |      | %Recovery<br>Limits | RPD | RPD  |        |
|---|-----------|------|-----------|------|---------------------|-----|------|--------|
|   | %Recovery | Qual | %Recovery | Qual |                     |     | Qual | Limits |
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1635609-2 WG1635609-3 |           |      |           |      |                     |     |      |        |
| 3-Nitroaniline  | 65        |      | 64        |      | 26-129              | 2   |      | 50     |
| 4-Nitroaniline  | 67        |      | 70        |      | 41-125              | 4   |      | 50     |
| Dibenzofuran  | 62        |      | 65        |      | 40-140              | 5   |      | 50     |
| 2-Methylnaphthalene   | 64        |      | 68        |      | 40-140              | 6   |      | 50     |
| 1,2,4,5-Tetrachlorobenzene  | 66        |      | 70        |      | 40-117              | 6   |      | 50     |
| Acetophenone  | 67        |      | 72        |      | 14-144              | 7   |      | 50     |
| 2,4,6-Trichlorophenol   | 73        |      | 76        |      | 30-130              | 4   |      | 50     |
| p-Chloro-m-cresol   | 74        |      | 76        |      | 26-103              | 3   |      | 50     |
| 2-Chlorophenol  | 66        |      | 71        |      | 25-102              | 7   |      | 50     |
| 2,4-Dichlorophenol  | 72        |      | 74        |      | 30-130              | 3   |      | 50     |
| 2,4-Dimethylphenol  | 72        |      | 76        |      | 30-130              | 5   |      | 50     |
| 2-Nitrophenol   | 65        |      | 72        |      | 30-130              | 10  |      | 50     |
| 4-Nitrophenol   | 62        |      | 66        |      | 11-114              | 6   |      | 50     |
| 2,4-Dinitrophenol   | 44        |      | 50        |      | 4-130               | 13  |      | 50     |
| 4,6-Dinitro-o-cresol  | 60        |      | 64        |      | 10-130              | 6   |      | 50     |
| Pentachlorophenol   | 49        |      | 53        |      | 17-109              | 8   |      | 50     |
| Phenol  | 72        |      | 77        |      | 26-90               | 7   |      | 50     |
| 2-Methylphenol  | 71        |      | 76        |      | 30-130.             | 7   |      | 50     |
| 3-Methylphenol/4-Methylphenol   | 79        |      | 84        |      | 30-130              | 6   |      | 50     |
| 2,4,5-Trichlorophenol   | 73        |      | 77        |      | 30-130              | 5   |      | 50     |
| Benzoic Acid  | 41        |      | 41        |      | 10-110              | 0   |      | 50     |
| Benzyl Alcohol  | 73        |      | 79        |      | 40-140              | 8   |      | 50     |
| Carbazole   | 64        |      | 65        |      | 54-128              | 2   |      | 50     |



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Project Number: 3883.0001Y000

Lab Number: L2223865

Report Date: 05/13/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1635609-2 WG1635609-3 |                  |      |                   |      |                     |     |      |               |
| 1,4-Dioxane   | 45               |      | 48                |      | 40-140              | 6   |      | 50            |

| Surrogate            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol       | 69               |      | 76                |      | 25-120                 |
| Phenol-d6            | 73               |      | 81                |      | 10-120                 |
| Nitrobenzene-d5      | 68               |      | 75                |      | 23-120                 |
| 2-Fluorobiphenyl     | 66               |      | 71                |      | 30-120                 |
| 2,4,6-Tribromophenol | 77               |      | 84                |      | 10-136                 |
| 4-Terphenyl-d14      | 64               |      | 68                |      | 18-120                 |

# PCBS

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**SAMPLE RESULTS**

Lab ID: L2223865-01  
 Client ID: SB011(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 05/05/22 12:05  
 Date Received: 05/05/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 05/09/22 19:09  
 Analyst: ER  
 Percent Solids: 89%

Extraction Method: EPA 3546  
 Extraction Date: 05/08/22 00:18  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 05/08/22  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 05/08/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Polychlorinated Biphenyls by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Aroclor 1016   | ND     |           | ug/kg | 36.7 | 3.26 | 1               | A      |
| Aroclor 1221   | ND     |           | ug/kg | 36.7 | 3.68 | 1               | A      |
| Aroclor 1232   | ND     |           | ug/kg | 36.7 | 7.79 | 1               | A      |
| Aroclor 1242   | ND     |           | ug/kg | 36.7 | 4.95 | 1               | A      |
| Aroclor 1248   | ND     |           | ug/kg | 36.7 | 5.51 | 1               | A      |
| Aroclor 1254   | 46.9   |           | ug/kg | 36.7 | 4.02 | 1               | B      |
| Aroclor 1260   | 33.8   | J         | ug/kg | 36.7 | 6.79 | 1               | A      |
| Aroclor 1262   | ND     |           | ug/kg | 36.7 | 4.67 | 1               | A      |
| Aroclor 1268   | ND     |           | ug/kg | 36.7 | 3.81 | 1               | A      |
| PCBs, Total  | 80.7   | J         | ug/kg | 36.7 | 3.26 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 84         |           | 30-150              | A      |
| Decachlorobiphenyl           | 83         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 82         |           | 30-150              | B      |
| Decachlorobiphenyl           | 79         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**SAMPLE RESULTS**

**Lab ID:** L2223865-02  
**Client ID:** SB011(15-17)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 05/05/22 14:05  
**Date Received:** 05/05/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 05/09/22 19:17  
**Analyst:** ER  
**Percent Solids:** 74%

**Extraction Method:** EPA 3546  
**Extraction Date:** 05/08/22 00:18  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 05/08/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/08/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Polychlorinated Biphenyls by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Aroclor 1016   | ND     |           | ug/kg | 42.4 | 3.76 | 1               | A      |
| Aroclor 1221   | ND     |           | ug/kg | 42.4 | 4.25 | 1               | A      |
| Aroclor 1232   | ND     |           | ug/kg | 42.4 | 8.98 | 1               | A      |
| Aroclor 1242   | ND     |           | ug/kg | 42.4 | 5.71 | 1               | A      |
| Aroclor 1248   | ND     |           | ug/kg | 42.4 | 6.36 | 1               | A      |
| Aroclor 1254   | ND     |           | ug/kg | 42.4 | 4.64 | 1               | A      |
| Aroclor 1260   | 11.8   | J         | ug/kg | 42.4 | 7.83 | 1               | B      |
| Aroclor 1262   | ND     |           | ug/kg | 42.4 | 5.38 | 1               | A      |
| Aroclor 1268   | ND     |           | ug/kg | 42.4 | 4.39 | 1               | A      |
| PCBs, Total  | 11.8   | J         | ug/kg | 42.4 | 3.76 | 1               | B      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 77         |           | 30-150              | A      |
| Decachlorobiphenyl           | 73         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 72         |           | 30-150              | B      |
| Decachlorobiphenyl           | 67         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**Method Blank Analysis  
 Batch Quality Control**

Analytical Method: 1,8082A  
 Analytical Date: 05/09/22 21:24  
 Analyst: ER

Extraction Method: EPA 3546  
 Extraction Date: 05/08/22 00:18  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 05/08/22  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 05/08/22

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Column |
|---|--------|-----------|-------|------|------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG1635783-1 |        |           |       |      |      |        |
| Aroclor 1016  | ND     |           | ug/kg | 32.1 | 2.85 | A      |
| Aroclor 1221  | ND     |           | ug/kg | 32.1 | 3.22 | A      |
| Aroclor 1232  | ND     |           | ug/kg | 32.1 | 6.81 | A      |
| Aroclor 1242  | ND     |           | ug/kg | 32.1 | 4.33 | A      |
| Aroclor 1248  | ND     |           | ug/kg | 32.1 | 4.82 | A      |
| Aroclor 1254  | ND     |           | ug/kg | 32.1 | 3.51 | A      |
| Aroclor 1262  | ND     |           | ug/kg | 32.1 | 4.08 | A      |
| Aroclor 1268  | ND     |           | ug/kg | 32.1 | 3.33 | A      |
| Aroclor 1260  | 14.4   | J         | ug/kg | 32.1 | 5.93 | B      |
| PCBs, Total   | 14.4   | J         | ug/kg | 32.1 | 2.85 | B      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 78        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 76        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 77        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 71        |           | 30-150                 | B      |

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1635783-2 WG1635783-3 |                  |      |                   |      |                     |     |      |               |        |
| Aroclor 1016   | 80               |      | 78                |      | 40-140              | 3   |      | 50            | A      |
| Aroclor 1260   | 79               |      | 81                |      | 40-140              | 3   |      | 50            | A      |

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 78               |      | 76                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 76               |      | 75                |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 77               |      | 75                |      | 30-150                 | B      |
| Decachlorobiphenyl           | 71               |      | 69                |      | 30-150                 | B      |

# PESTICIDES

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**SAMPLE RESULTS**

**Lab ID:** L2223865-01  
**Client ID:** SB011(0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 05/05/22 12:05  
**Date Received:** 05/05/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 05/07/22 18:54  
**Analyst:** AR  
**Percent Solids:** 89%

**Extraction Method:** EPA 3546  
**Extraction Date:** 05/07/22 04:26  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 05/07/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/07/22

| Parameter  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| <b>Organochlorine Pesticides by GC - Westborough Lab</b> |        |           |       |       |       |                 |        |
| Delta-BHC  | ND     |           | ug/kg | 1.75  | 0.342 | 1               | A      |
| Lindane  | ND     |           | ug/kg | 0.728 | 0.326 | 1               | A      |
| Alpha-BHC  | ND     |           | ug/kg | 0.728 | 0.207 | 1               | A      |
| Beta-BHC   | ND     |           | ug/kg | 1.75  | 0.663 | 1               | A      |
| Heptachlor   | ND     |           | ug/kg | 0.874 | 0.392 | 1               | A      |
| Aldrin   | ND     |           | ug/kg | 1.75  | 0.615 | 1               | A      |
| Heptachlor epoxide                                       | ND     |           | ug/kg | 3.28  | 0.983 | 1               | A      |
| Endrin   | ND     |           | ug/kg | 0.728 | 0.298 | 1               | A      |
| Endrin aldehyde  | ND     |           | ug/kg | 2.18  | 0.765 | 1               | A      |
| Endrin ketone  | ND     |           | ug/kg | 1.75  | 0.450 | 1               | A      |
| Dieldrin   | ND     |           | ug/kg | 1.09  | 0.546 | 1               | A      |
| 4,4'-DDE   | 1.25   | J         | ug/kg | 1.75  | 0.404 | 1               | A      |
| 4,4'-DDD   | 0.694  | J         | ug/kg | 1.75  | 0.623 | 1               | A      |
| 4,4'-DDT   | ND     |           | ug/kg | 3.28  | 1.40  | 1               | A      |
| Endosulfan I   | ND     |           | ug/kg | 1.75  | 0.413 | 1               | A      |
| Endosulfan II  | ND     |           | ug/kg | 1.75  | 0.584 | 1               | A      |
| Endosulfan sulfate                                       | ND     |           | ug/kg | 0.728 | 0.347 | 1               | A      |
| Methoxychlor   | ND     |           | ug/kg | 3.28  | 1.02  | 1               | A      |
| Toxaphene  | ND     |           | ug/kg | 32.8  | 9.18  | 1               | A      |
| cis-Chlordane  | 1.79   | J         | ug/kg | 2.18  | 0.609 | 1               | B      |
| trans-Chlordane  | 2.81   |           | ug/kg | 2.18  | 0.577 | 1               | A      |
| Chlordane  | ND     |           | ug/kg | 14.6  | 5.79  | 1               | A      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**SAMPLE RESULTS**

Lab ID: L2223865-01  
 Client ID: SB011(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 05/05/22 12:05  
 Date Received: 05/05/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|----|-----|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |    |     |                 |        |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 72         |           | 30-150              | A      |
| Decachlorobiphenyl           | 74         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 73         |           | 30-150              | B      |
| Decachlorobiphenyl           | 76         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**SAMPLE RESULTS**

Lab ID: L2223865-01  
 Client ID: SB011(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 05/05/22 12:05  
 Date Received: 05/05/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 05/10/22 10:41  
 Analyst: AKM  
 Percent Solids: 89%  
 Methylation Date: 05/08/22 05:14

Extraction Method: EPA 8151A  
 Extraction Date: 05/07/22 08:30

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---|--------|-----------|-------|------|------|-----------------|--------|
| <b>Chlorinated Herbicides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| MCPP  | ND     |           | ug/kg | 3650 | 1150 | 1               | A      |
| MCPA  | ND     |           | ug/kg | 3650 | 1030 | 1               | A      |
| Dalapon   | ND     |           | ug/kg | 36.5 | 11.9 | 1               | A      |
| Dicamba   | ND     |           | ug/kg | 36.5 | 6.13 | 1               | A      |
| Dichloroprop  | ND     |           | ug/kg | 36.5 | 10.5 | 1               | A      |
| 2,4-D   | ND     |           | ug/kg | 182  | 11.5 | 1               | A      |
| 2,4-DB  | ND     |           | ug/kg | 182  | 9.38 | 1               | A      |
| 2,4,5-T   | ND     |           | ug/kg | 182  | 5.66 | 1               | A      |
| 2,4,5-TP (Silvex)                                     | ND     |           | ug/kg | 182  | 4.85 | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 88         |           | 30-150              | A      |
| DCAA      | 75         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**SAMPLE RESULTS**

**Lab ID:** L2223865-02  
**Client ID:** SB011(15-17)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 05/05/22 14:05  
**Date Received:** 05/05/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 05/07/22 19:04  
**Analyst:** AR  
**Percent Solids:** 74%

**Extraction Method:** EPA 3546  
**Extraction Date:** 05/07/22 04:26  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 05/07/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/07/22

| Parameter  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| <b>Organochlorine Pesticides by GC - Westborough Lab</b> |        |           |       |       |       |                 |        |
| Delta-BHC  | ND     |           | ug/kg | 2.07  | 0.405 | 1               | A      |
| Lindane  | ND     |           | ug/kg | 0.862 | 0.385 | 1               | A      |
| Alpha-BHC  | ND     |           | ug/kg | 0.862 | 0.245 | 1               | A      |
| Beta-BHC   | ND     |           | ug/kg | 2.07  | 0.784 | 1               | A      |
| Heptachlor   | ND     |           | ug/kg | 1.03  | 0.464 | 1               | A      |
| Aldrin   | ND     |           | ug/kg | 2.07  | 0.728 | 1               | A      |
| Heptachlor epoxide                                       | ND     |           | ug/kg | 3.88  | 1.16  | 1               | A      |
| Endrin   | ND     |           | ug/kg | 0.862 | 0.353 | 1               | A      |
| Endrin aldehyde  | ND     |           | ug/kg | 2.58  | 0.905 | 1               | A      |
| Endrin ketone  | ND     |           | ug/kg | 2.07  | 0.532 | 1               | A      |
| Dieldrin   | ND     |           | ug/kg | 1.29  | 0.646 | 1               | A      |
| 4,4'-DDE   | ND     |           | ug/kg | 2.07  | 0.478 | 1               | A      |
| 4,4'-DDD   | ND     |           | ug/kg | 2.07  | 0.738 | 1               | A      |
| 4,4'-DDT   | ND     |           | ug/kg | 3.88  | 1.66  | 1               | A      |
| Endosulfan I   | ND     |           | ug/kg | 2.07  | 0.488 | 1               | A      |
| Endosulfan II  | ND     |           | ug/kg | 2.07  | 0.691 | 1               | A      |
| Endosulfan sulfate                                       | ND     |           | ug/kg | 0.862 | 0.410 | 1               | A      |
| Methoxychlor   | ND     |           | ug/kg | 3.88  | 1.21  | 1               | A      |
| Toxaphene  | ND     |           | ug/kg | 38.8  | 10.8  | 1               | A      |
| cis-Chlordane  | ND     |           | ug/kg | 2.58  | 0.720 | 1               | A      |
| trans-Chlordane  | ND     |           | ug/kg | 2.58  | 0.682 | 1               | A      |
| Chlordane  | ND     |           | ug/kg | 17.2  | 6.85  | 1               | A      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**SAMPLE RESULTS**

Lab ID: L2223865-02  
 Client ID: SB011(15-17)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 05/05/22 14:05  
 Date Received: 05/05/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|----|-----|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |    |     |                 |        |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 71         |           | 30-150              | A      |
| Decachlorobiphenyl           | 71         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 74         |           | 30-150              | B      |
| Decachlorobiphenyl           | 64         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**SAMPLE RESULTS**

Lab ID: L2223865-02  
 Client ID: SB011(15-17)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 05/05/22 14:05  
 Date Received: 05/05/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 05/10/22 11:17  
 Analyst: AKM  
 Percent Solids: 74%  
 Methylation Date: 05/08/22 05:14

Extraction Method: EPA 8151A  
 Extraction Date: 05/07/22 08:30

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---|--------|-----------|-------|------|------|-----------------|--------|
| <b>Chlorinated Herbicides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| MCPP  | ND     |           | ug/kg | 4370 | 1380 | 1               | B      |
| MCPA  | ND     |           | ug/kg | 4370 | 1240 | 1               | B      |
| Dalapon   | ND     |           | ug/kg | 43.7 | 14.3 | 1               | B      |
| Dicamba   | ND     |           | ug/kg | 43.7 | 7.35 | 1               | B      |
| Dichloroprop  | ND     |           | ug/kg | 43.7 | 12.5 | 1               | B      |
| 2,4-D   | ND     |           | ug/kg | 219  | 13.8 | 1               | B      |
| 2,4-DB  | ND     |           | ug/kg | 219  | 11.2 | 1               | B      |
| 2,4,5-T   | ND     |           | ug/kg | 219  | 6.78 | 1               | B      |
| 2,4,5-TP (Silvex)                                     | ND     |           | ug/kg | 219  | 5.82 | 1               | B      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 86         |           | 30-150              | A      |
| DCAA      | 75         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**Method Blank Analysis  
 Batch Quality Control**

Analytical Method: 1,8081B  
 Analytical Date: 05/07/22 13:06  
 Analyst: AKM

Extraction Method: EPA 3546  
 Extraction Date: 05/06/22 21:50  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 05/07/22  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 05/07/22

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Column |
|---|--------|-----------|-------|-------|-------|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1635598-1 |        |           |       |       |       |        |
| Delta-BHC   | ND     |           | ug/kg | 1.54  | 0.302 | A      |
| Lindane   | ND     |           | ug/kg | 0.643 | 0.287 | A      |
| Alpha-BHC   | ND     |           | ug/kg | 0.643 | 0.183 | A      |
| Beta-BHC  | ND     |           | ug/kg | 1.54  | 0.585 | A      |
| Heptachlor  | ND     |           | ug/kg | 0.772 | 0.346 | A      |
| Aldrin  | ND     |           | ug/kg | 1.54  | 0.543 | A      |
| Heptachlor epoxide  | ND     |           | ug/kg | 2.89  | 0.868 | A      |
| Endrin  | ND     |           | ug/kg | 0.643 | 0.264 | A      |
| Endrin aldehyde   | ND     |           | ug/kg | 1.93  | 0.675 | A      |
| Endrin ketone   | ND     |           | ug/kg | 1.54  | 0.397 | A      |
| Dieldrin  | ND     |           | ug/kg | 0.965 | 0.482 | A      |
| 4,4'-DDE  | ND     |           | ug/kg | 1.54  | 0.357 | A      |
| 4,4'-DDD  | ND     |           | ug/kg | 1.54  | 0.550 | A      |
| 4,4'-DDT  | ND     |           | ug/kg | 2.89  | 1.24  | A      |
| Endosulfan I  | ND     |           | ug/kg | 1.54  | 0.365 | A      |
| Endosulfan II   | ND     |           | ug/kg | 1.54  | 0.516 | A      |
| Endosulfan sulfate  | ND     |           | ug/kg | 0.643 | 0.306 | A      |
| Methoxychlor  | ND     |           | ug/kg | 2.89  | 0.900 | A      |
| Toxaphene   | ND     |           | ug/kg | 28.9  | 8.10  | A      |
| cis-Chlordane   | ND     |           | ug/kg | 1.93  | 0.538 | A      |
| trans-Chlordane   | ND     |           | ug/kg | 1.93  | 0.509 | A      |
| Chlordane   | ND     |           | ug/kg | 12.9  | 5.11  | A      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 05/07/22 13:06  
Analyst: AKM

Extraction Method: EPA 3546  
Extraction Date: 05/06/22 21:50  
Cleanup Method: EPA 3620B  
Cleanup Date: 05/07/22  
Cleanup Method: EPA 3660B  
Cleanup Date: 05/07/22

| Parameter   | Result | Qualifier | Units | RL | MDL | Column |
|---|--------|-----------|-------|----|-----|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1635598-1 |        |           |       |    |     |        |

| Surrogate                    | %Recovery | Qualifier | Acceptance |        |
|------------------------------|-----------|-----------|------------|--------|
|                              |           |           | Criteria   | Column |
| 2,4,5,6-Tetrachloro-m-xylene | 58        |           | 30-150     | A      |
| Decachlorobiphenyl           | 68        |           | 30-150     | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 62        |           | 30-150     | B      |
| Decachlorobiphenyl           | 77        |           | 30-150     | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8151A  
Analytical Date: 05/09/22 10:17  
Analyst: AKM

Extraction Method: EPA 8151A  
Extraction Date: 05/07/22 08:30

Methylation Date: 05/08/22 05:14

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Column |
|--|--------|-----------|-------|------|------|--------|
| Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1635681-1 |        |           |       |      |      |        |
| MCPP   | ND     |           | ug/kg | 3250 | 1020 | A      |
| MCPA   | ND     |           | ug/kg | 3250 | 919. | A      |
| Dalapon  | ND     |           | ug/kg | 32.5 | 10.6 | A      |
| Dicamba  | ND     |           | ug/kg | 32.5 | 5.46 | A      |
| Dichloroprop   | ND     |           | ug/kg | 32.5 | 9.32 | A      |
| 2,4-D  | ND     |           | ug/kg | 162  | 10.2 | A      |
| 2,4-DB   | ND     |           | ug/kg | 162  | 8.35 | A      |
| 2,4,5-T  | ND     |           | ug/kg | 162  | 5.04 | A      |
| 2,4,5-TP (Silvex)  | ND     |           | ug/kg | 162  | 4.32 | A      |

| Surrogate | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|-----------|-----------|-----------|------------------------|--------|
| DCAA      | 80        |           | 30-150                 | A      |
| DCAA      | 69        |           | 30-150                 | B      |



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2223865

**Project Number:** 3883.0001Y000

**Report Date:** 05/13/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1635598-2 WG1635598-3 |                  |      |                   |      |                     |     |      |               |        |
| Delta-BHC  | 76               |      | 74                |      | 30-150              | 3   |      | 30            | A      |
| Lindane  | 75               |      | 77                |      | 30-150              | 3   |      | 30            | A      |
| Alpha-BHC  | 78               |      | 78                |      | 30-150              | 0   |      | 30            | A      |
| Beta-BHC   | 71               |      | 71                |      | 30-150              | 0   |      | 30            | A      |
| Heptachlor   | 79               |      | 80                |      | 30-150              | 1   |      | 30            | A      |
| Aldrin   | 74               |      | 77                |      | 30-150              | 4   |      | 30            | A      |
| Heptachlor epoxide   | 62               |      | 65                |      | 30-150              | 5   |      | 30            | A      |
| Endrin   | 77               |      | 78                |      | 30-150              | 1   |      | 30            | A      |
| Endrin aldehyde  | 58               |      | 60                |      | 30-150              | 3   |      | 30            | A      |
| Endrin ketone  | 73               |      | 77                |      | 30-150              | 5   |      | 30            | A      |
| Dieldrin   | 80               |      | 81                |      | 30-150              | 1   |      | 30            | A      |
| 4,4'-DDE   | 71               |      | 74                |      | 30-150              | 4   |      | 30            | A      |
| 4,4'-DDD   | 78               |      | 80                |      | 30-150              | 3   |      | 30            | A      |
| 4,4'-DDT   | 77               |      | 78                |      | 30-150              | 1   |      | 30            | A      |
| Endosulfan I   | 71               |      | 73                |      | 30-150              | 3   |      | 30            | A      |
| Endosulfan II  | 74               |      | 75                |      | 30-150              | 1   |      | 30            | A      |
| Endosulfan sulfate   | 56               |      | 58                |      | 30-150              | 4   |      | 30            | A      |
| Methoxychlor   | 77               |      | 80                |      | 30-150              | 4   |      | 30            | A      |
| cis-Chlordane  | 64               |      | 66                |      | 30-150              | 3   |      | 30            | A      |
| trans-Chlordane  | 76               |      | 78                |      | 30-150              | 3   |      | 30            | A      |

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

| Parameter  | <i>LCS</i><br>%Recovery | <i>Qual</i> | <i>LCSD</i><br>%Recovery | <i>Qual</i> | <i>%Recovery</i><br>Limits | <i>RPD</i> | <i>Qual</i> | <i>RPD</i><br>Limits |
|--|-------------------------|-------------|--------------------------|-------------|----------------------------|------------|-------------|----------------------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1635598-2 WG1635598-3 |                         |             |                          |             |                            |            |             |                      |

| <i>Surrogate</i>             | <i>LCS</i><br>%Recovery | <i>Qual</i> | <i>LCSD</i><br>%Recovery | <i>Qual</i> | <i>Acceptance</i><br>Criteria | <i>Column</i> |
|------------------------------|-------------------------|-------------|--------------------------|-------------|-------------------------------|---------------|
| 2,4,5,6-Tetrachloro-m-xylene | 67                      |             | 67                       |             | 30-150                        | A             |
| Decachlorobiphenyl           | 80                      |             | 85                       |             | 30-150                        | A             |
| 2,4,5,6-Tetrachloro-m-xylene | 71                      |             | 72                       |             | 30-150                        | B             |
| Decachlorobiphenyl           | 95                      |             | 97                       |             | 30-150                        | B             |

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1635681-2 WG1635681-3 |                  |      |                   |      |                     |     |      |               |        |
| MCPP  | 90               |      | 82                |      | 30-150              | 9   |      | 30            | A      |
| MCPA  | 83               |      | 75                |      | 30-150              | 10  |      | 30            | A      |
| Dalapon   | 76               |      | 71                |      | 30-150              | 7   |      | 30            | A      |
| Dicamba   | 86               |      | 78                |      | 30-150              | 10  |      | 30            | A      |
| Dichloroprop  | 99               |      | 93                |      | 30-150              | 6   |      | 30            | A      |
| 2,4-D   | 85               |      | 79                |      | 30-150              | 7   |      | 30            | A      |
| 2,4-DB  | 73               |      | 63                |      | 30-150              | 15  |      | 30            | A      |
| 2,4,5-T   | 88               |      | 80                |      | 30-150              | 10  |      | 30            | A      |
| 2,4,5-TP (Silvex)   | 85               |      | 79                |      | 30-150              | 7   |      | 30            | A      |

| Surrogate | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|-----------|------------------|------|-------------------|------|------------------------|--------|
| DCAA      | 86               |      | 74                |      | 30-150                 | A      |
| DCAA      | 86               |      | 73                |      | 30-150                 | B      |

## METALS

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2223865

Project Number: 3883.0001Y000

Report Date: 05/13/22

## SAMPLE RESULTS

Lab ID: L2223865-01  
 Client ID: SB011(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 05/05/22 12:05  
 Date Received: 05/05/22  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 89%

| Parameter                           | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Mansfield Lab</b> |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total                     | 6420   |           | mg/kg | 8.78  | 2.37  | 2               | 05/11/22 06:55 | 05/11/22 18:01 | EPA 3050B   | 1,6010D           | BV      |
| Antimony, Total                     | 0.588  | J         | mg/kg | 4.39  | 0.334 | 2               | 05/11/22 06:55 | 05/11/22 18:01 | EPA 3050B   | 1,6010D           | BV      |
| Arsenic, Total                      | 5.67   |           | mg/kg | 0.878 | 0.183 | 2               | 05/11/22 06:55 | 05/11/22 18:01 | EPA 3050B   | 1,6010D           | BV      |
| Barium, Total                       | 108    |           | mg/kg | 0.878 | 0.153 | 2               | 05/11/22 06:55 | 05/11/22 18:01 | EPA 3050B   | 1,6010D           | BV      |
| Beryllium, Total                    | 1.41   |           | mg/kg | 0.439 | 0.029 | 2               | 05/11/22 06:55 | 05/11/22 18:01 | EPA 3050B   | 1,6010D           | BV      |
| Cadmium, Total                      | 0.500  | J         | mg/kg | 0.878 | 0.086 | 2               | 05/11/22 06:55 | 05/11/22 18:01 | EPA 3050B   | 1,6010D           | BV      |
| Calcium, Total                      | 13200  |           | mg/kg | 8.78  | 3.07  | 2               | 05/11/22 06:55 | 05/11/22 18:01 | EPA 3050B   | 1,6010D           | BV      |
| Chromium, Total                     | 19.8   |           | mg/kg | 0.878 | 0.084 | 2               | 05/11/22 06:55 | 05/11/22 18:01 | EPA 3050B   | 1,6010D           | BV      |
| Cobalt, Total                       | 9.58   |           | mg/kg | 1.76  | 0.146 | 2               | 05/11/22 06:55 | 05/11/22 18:01 | EPA 3050B   | 1,6010D           | BV      |
| Copper, Total                       | 107    |           | mg/kg | 0.878 | 0.226 | 2               | 05/11/22 06:55 | 05/11/22 18:01 | EPA 3050B   | 1,6010D           | BV      |
| Iron, Total                         | 13600  |           | mg/kg | 4.39  | 0.793 | 2               | 05/11/22 06:55 | 05/11/22 18:01 | EPA 3050B   | 1,6010D           | BV      |
| Lead, Total                         | 194    |           | mg/kg | 4.39  | 0.235 | 2               | 05/11/22 06:55 | 05/11/22 18:01 | EPA 3050B   | 1,6010D           | BV      |
| Magnesium, Total                    | 4000   |           | mg/kg | 8.78  | 1.35  | 2               | 05/11/22 06:55 | 05/11/22 18:01 | EPA 3050B   | 1,6010D           | BV      |
| Manganese, Total                    | 177    |           | mg/kg | 0.878 | 0.140 | 2               | 05/11/22 06:55 | 05/11/22 18:01 | EPA 3050B   | 1,6010D           | BV      |
| Mercury, Total                      | 0.777  |           | mg/kg | 0.071 | 0.046 | 1               | 05/11/22 09:15 | 05/11/22 14:10 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                       | 19.8   |           | mg/kg | 2.20  | 0.212 | 2               | 05/11/22 06:55 | 05/11/22 18:01 | EPA 3050B   | 1,6010D           | BV      |
| Potassium, Total                    | 869    |           | mg/kg | 220   | 12.6  | 2               | 05/11/22 06:55 | 05/11/22 18:01 | EPA 3050B   | 1,6010D           | BV      |
| Selenium, Total                     | 0.263  | J         | mg/kg | 1.76  | 0.226 | 2               | 05/11/22 06:55 | 05/11/22 18:01 | EPA 3050B   | 1,6010D           | BV      |
| Silver, Total                       | ND     |           | mg/kg | 0.878 | 0.248 | 2               | 05/11/22 06:55 | 05/11/22 18:01 | EPA 3050B   | 1,6010D           | BV      |
| Sodium, Total                       | 125    | J         | mg/kg | 176   | 2.76  | 2               | 05/11/22 06:55 | 05/11/22 18:01 | EPA 3050B   | 1,6010D           | BV      |
| Thallium, Total                     | ND     |           | mg/kg | 1.76  | 0.276 | 2               | 05/11/22 06:55 | 05/11/22 18:01 | EPA 3050B   | 1,6010D           | BV      |
| Vanadium, Total                     | 22.3   |           | mg/kg | 0.878 | 0.178 | 2               | 05/11/22 06:55 | 05/11/22 18:01 | EPA 3050B   | 1,6010D           | BV      |
| Zinc, Total                         | 582    |           | mg/kg | 4.39  | 0.257 | 2               | 05/11/22 06:55 | 05/11/22 18:01 | EPA 3050B   | 1,6010D           | BV      |



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2223865

Project Number: 3883.0001Y000

Report Date: 05/13/22

## SAMPLE RESULTS

Lab ID: L2223865-02  
 Client ID: SB011(15-17)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 05/05/22 14:05  
 Date Received: 05/05/22  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 74%

| Parameter                           | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Mansfield Lab</b> |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total                     | 5510   |           | mg/kg | 10.3  | 2.79  | 2               | 05/11/22 06:55 | 05/11/22 18:05 | EPA 3050B   | 1,6010D           | BV      |
| Antimony, Total                     | ND     |           | mg/kg | 5.16  | 0.392 | 2               | 05/11/22 06:55 | 05/11/22 18:05 | EPA 3050B   | 1,6010D           | BV      |
| Arsenic, Total                      | 1.04   |           | mg/kg | 1.03  | 0.215 | 2               | 05/11/22 06:55 | 05/11/22 18:05 | EPA 3050B   | 1,6010D           | BV      |
| Barium, Total                       | 35.6   |           | mg/kg | 1.03  | 0.180 | 2               | 05/11/22 06:55 | 05/11/22 18:05 | EPA 3050B   | 1,6010D           | BV      |
| Beryllium, Total                    | 0.227  | J         | mg/kg | 0.516 | 0.034 | 2               | 05/11/22 06:55 | 05/11/22 18:05 | EPA 3050B   | 1,6010D           | BV      |
| Cadmium, Total                      | ND     |           | mg/kg | 1.03  | 0.101 | 2               | 05/11/22 06:55 | 05/11/22 18:05 | EPA 3050B   | 1,6010D           | BV      |
| Calcium, Total                      | 4000   |           | mg/kg | 10.3  | 3.61  | 2               | 05/11/22 06:55 | 05/11/22 18:05 | EPA 3050B   | 1,6010D           | BV      |
| Chromium, Total                     | 19.7   |           | mg/kg | 1.03  | 0.099 | 2               | 05/11/22 06:55 | 05/11/22 18:05 | EPA 3050B   | 1,6010D           | BV      |
| Cobalt, Total                       | 4.95   |           | mg/kg | 2.06  | 0.171 | 2               | 05/11/22 06:55 | 05/11/22 18:05 | EPA 3050B   | 1,6010D           | BV      |
| Copper, Total                       | 20.3   |           | mg/kg | 1.03  | 0.266 | 2               | 05/11/22 06:55 | 05/11/22 18:05 | EPA 3050B   | 1,6010D           | BV      |
| Iron, Total                         | 7320   |           | mg/kg | 5.16  | 0.932 | 2               | 05/11/22 06:55 | 05/11/22 18:05 | EPA 3050B   | 1,6010D           | BV      |
| Lead, Total                         | 22.9   |           | mg/kg | 5.16  | 0.277 | 2               | 05/11/22 06:55 | 05/11/22 18:05 | EPA 3050B   | 1,6010D           | BV      |
| Magnesium, Total                    | 2610   |           | mg/kg | 10.3  | 1.59  | 2               | 05/11/22 06:55 | 05/11/22 18:05 | EPA 3050B   | 1,6010D           | BV      |
| Manganese, Total                    | 69.5   |           | mg/kg | 1.03  | 0.164 | 2               | 05/11/22 06:55 | 05/11/22 18:05 | EPA 3050B   | 1,6010D           | BV      |
| Mercury, Total                      | ND     |           | mg/kg | 0.085 | 0.055 | 1               | 05/11/22 09:15 | 05/11/22 14:14 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                       | 11.5   |           | mg/kg | 2.58  | 0.250 | 2               | 05/11/22 06:55 | 05/11/22 18:05 | EPA 3050B   | 1,6010D           | BV      |
| Potassium, Total                    | 843    |           | mg/kg | 258   | 14.9  | 2               | 05/11/22 06:55 | 05/11/22 18:05 | EPA 3050B   | 1,6010D           | BV      |
| Selenium, Total                     | 0.279  | J         | mg/kg | 2.06  | 0.266 | 2               | 05/11/22 06:55 | 05/11/22 18:05 | EPA 3050B   | 1,6010D           | BV      |
| Silver, Total                       | ND     |           | mg/kg | 1.03  | 0.292 | 2               | 05/11/22 06:55 | 05/11/22 18:05 | EPA 3050B   | 1,6010D           | BV      |
| Sodium, Total                       | 112    | J         | mg/kg | 206   | 3.25  | 2               | 05/11/22 06:55 | 05/11/22 18:05 | EPA 3050B   | 1,6010D           | BV      |
| Thallium, Total                     | ND     |           | mg/kg | 2.06  | 0.325 | 2               | 05/11/22 06:55 | 05/11/22 18:05 | EPA 3050B   | 1,6010D           | BV      |
| Vanadium, Total                     | 19.6   |           | mg/kg | 1.03  | 0.210 | 2               | 05/11/22 06:55 | 05/11/22 18:05 | EPA 3050B   | 1,6010D           | BV      |
| Zinc, Total                         | 43.2   |           | mg/kg | 5.16  | 0.302 | 2               | 05/11/22 06:55 | 05/11/22 18:05 | EPA 3050B   | 1,6010D           | BV      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

## Method Blank Analysis Batch Quality Control

| Parameter  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1636828-1 |        |           |       |       |       |                 |                |                |                   |         |
| Aluminum, Total  | ND     |           | mg/kg | 4.00  | 1.08  | 1               | 05/11/22 06:55 | 05/11/22 14:43 | 1,6010D           | BV      |
| Antimony, Total  | ND     |           | mg/kg | 2.00  | 0.152 | 1               | 05/11/22 06:55 | 05/11/22 14:43 | 1,6010D           | BV      |
| Arsenic, Total   | ND     |           | mg/kg | 0.400 | 0.083 | 1               | 05/11/22 06:55 | 05/11/22 14:43 | 1,6010D           | BV      |
| Barium, Total  | ND     |           | mg/kg | 0.400 | 0.070 | 1               | 05/11/22 06:55 | 05/11/22 14:43 | 1,6010D           | BV      |
| Beryllium, Total   | ND     |           | mg/kg | 0.200 | 0.013 | 1               | 05/11/22 06:55 | 05/11/22 14:43 | 1,6010D           | BV      |
| Cadmium, Total   | ND     |           | mg/kg | 0.400 | 0.039 | 1               | 05/11/22 06:55 | 05/11/22 14:43 | 1,6010D           | BV      |
| Calcium, Total   | ND     |           | mg/kg | 4.00  | 1.40  | 1               | 05/11/22 06:55 | 05/11/22 14:43 | 1,6010D           | BV      |
| Chromium, Total  | 0.076  | J         | mg/kg | 0.400 | 0.038 | 1               | 05/11/22 06:55 | 05/11/22 14:43 | 1,6010D           | BV      |
| Cobalt, Total  | ND     |           | mg/kg | 0.800 | 0.066 | 1               | 05/11/22 06:55 | 05/11/22 14:43 | 1,6010D           | BV      |
| Copper, Total  | ND     |           | mg/kg | 0.400 | 0.103 | 1               | 05/11/22 06:55 | 05/11/22 14:43 | 1,6010D           | BV      |
| Iron, Total  | 0.840  | J         | mg/kg | 2.00  | 0.361 | 1               | 05/11/22 06:55 | 05/11/22 14:43 | 1,6010D           | BV      |
| Lead, Total  | ND     |           | mg/kg | 2.00  | 0.107 | 1               | 05/11/22 06:55 | 05/11/22 14:43 | 1,6010D           | BV      |
| Magnesium, Total   | ND     |           | mg/kg | 4.00  | 0.616 | 1               | 05/11/22 06:55 | 05/11/22 14:43 | 1,6010D           | BV      |
| Manganese, Total   | ND     |           | mg/kg | 0.400 | 0.064 | 1               | 05/11/22 06:55 | 05/11/22 14:43 | 1,6010D           | BV      |
| Nickel, Total  | ND     |           | mg/kg | 1.00  | 0.097 | 1               | 05/11/22 06:55 | 05/11/22 14:43 | 1,6010D           | BV      |
| Potassium, Total   | ND     |           | mg/kg | 100   | 5.76  | 1               | 05/11/22 06:55 | 05/11/22 14:43 | 1,6010D           | BV      |
| Selenium, Total  | ND     |           | mg/kg | 0.800 | 0.103 | 1               | 05/11/22 06:55 | 05/11/22 14:43 | 1,6010D           | BV      |
| Silver, Total  | ND     |           | mg/kg | 0.400 | 0.113 | 1               | 05/11/22 06:55 | 05/11/22 14:43 | 1,6010D           | BV      |
| Sodium, Total  | 5.83   | J         | mg/kg | 80.0  | 1.26  | 1               | 05/11/22 06:55 | 05/11/22 14:43 | 1,6010D           | BV      |
| Thallium, Total  | ND     |           | mg/kg | 0.800 | 0.126 | 1               | 05/11/22 06:55 | 05/11/22 14:43 | 1,6010D           | BV      |
| Vanadium, Total  | ND     |           | mg/kg | 0.400 | 0.081 | 1               | 05/11/22 06:55 | 05/11/22 14:43 | 1,6010D           | BV      |
| Zinc, Total  | ND     |           | mg/kg | 2.00  | 0.117 | 1               | 05/11/22 06:55 | 05/11/22 14:43 | 1,6010D           | BV      |

### Prep Information

Digestion Method: EPA 3050B

| Parameter  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1636830-1 |        |           |       |       |       |                 |                |                |                   |         |
| Mercury, Total   | ND     |           | mg/kg | 0.083 | 0.054 | 1               | 05/11/22 09:15 | 05/11/22 12:58 | 1,7471B           | DMB     |



**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2223865

**Project Number:** 3883.0001Y000

**Report Date:** 05/13/22

## **Method Blank Analysis Batch Quality Control**

### **Prep Information**

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Digestion Method: EPA 7471B



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2223865

**Project Number:** 3883.0001Y000

**Report Date:** 05/13/22

| Parameter  | LCS       |      | LCSD      |      | %Recovery Limits | RPD | Qual | RPD Limits |
|--|-----------|------|-----------|------|------------------|-----|------|------------|
|  | %Recovery | Qual | %Recovery | Qual |                  |     |      |            |
| Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1636828-2 SRM Lot Number: D113-540 |           |      |           |      |                  |     |      |            |
| Aluminum, Total  | 93        |      | -         |      | 51-149           | -   |      |            |
| Antimony, Total  | 192       |      | -         |      | 20-250           | -   |      |            |
| Arsenic, Total   | 111       |      | -         |      | 70-130           | -   |      |            |
| Barium, Total  | 102       |      | -         |      | 75-125           | -   |      |            |
| Beryllium, Total   | 96        |      | -         |      | 75-125           | -   |      |            |
| Cadmium, Total   | 101       |      | -         |      | 75-125           | -   |      |            |
| Calcium, Total   | 104       |      | -         |      | 73-128           | -   |      |            |
| Chromium, Total  | 106       |      | -         |      | 70-130           | -   |      |            |
| Cobalt, Total  | 106       |      | -         |      | 75-125           | -   |      |            |
| Copper, Total  | 108       |      | -         |      | 75-125           | -   |      |            |
| Iron, Total  | 119       |      | -         |      | 36-164           | -   |      |            |
| Lead, Total  | 106       |      | -         |      | 72-128           | -   |      |            |
| Magnesium, Total   | 99        |      | -         |      | 63-138           | -   |      |            |
| Manganese, Total   | 103       |      | -         |      | 77-123           | -   |      |            |
| Nickel, Total  | 104       |      | -         |      | 70-130           | -   |      |            |
| Potassium, Total   | 96        |      | -         |      | 59-141           | -   |      |            |
| Selenium, Total  | 107       |      | -         |      | 66-134           | -   |      |            |
| Silver, Total  | 108       |      | -         |      | 70-131           | -   |      |            |
| Sodium, Total  | 87        |      | -         |      | 35-164           | -   |      |            |
| Thallium, Total  | 100       |      | -         |      | 70-130           | -   |      |            |
| Vanadium, Total  | 107       |      | -         |      | 74-126           | -   |      |            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD

**Project Number:** 3883.0001Y000

**Lab Number:** L2223865

**Report Date:** 05/13/22

| Parameter  | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|--|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1636828-2 SRM Lot Number: D113-540 |                  |                   |                     |     |            |
| Zinc, Total  | 106              | -                 | 70-130              | -   |            |
| Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1636830-2 SRM Lot Number: D113-540 |                  |                   |                     |     |            |
| Mercury, Total   | 110              | -                 | 60-140              | -   |            |

## Matrix Spike Analysis Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2223865

Project Number: 3883.0001Y000

Report Date: 05/13/22

| Parameter  | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|--|---------------|----------|----------|--------------|------|-----------|---------------|------|-----------------|-----|------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-02    QC Batch ID: WG1636828-3    QC Sample: L2223894-01    Client ID: MS Sample |               |          |          |              |      |           |               |      |                 |     |      |            |
| Aluminum, Total  | 3890          | 165      | 4390     | 304          | Q    | -         | -             |      | 75-125          | -   |      | 20         |
| Antimony, Total  | 7.65          | 41.2     | 39.4     | 77           |      | -         | -             |      | 75-125          | -   |      | 20         |
| Arsenic, Total   | 5.76          | 9.88     | 14.4     | 87           |      | -         | -             |      | 75-125          | -   |      | 20         |
| Barium, Total  | 124           | 165      | 238      | 69           | Q    | -         | -             |      | 75-125          | -   |      | 20         |
| Beryllium, Total   | 0.253J        | 4.12     | 3.46     | 84           |      | -         | -             |      | 75-125          | -   |      | 20         |
| Cadmium, Total   | 1.58          | 4.36     | 5.01     | 78           |      | -         | -             |      | 75-125          | -   |      | 20         |
| Calcium, Total   | 7420          | 823      | 9300     | 228          | Q    | -         | -             |      | 75-125          | -   |      | 20         |
| Chromium, Total  | 27.4          | 16.5     | 41.4     | 85           |      | -         | -             |      | 75-125          | -   |      | 20         |
| Cobalt, Total  | 6.76          | 41.2     | 36.4     | 72           | Q    | -         | -             |      | 75-125          | -   |      | 20         |
| Copper, Total  | 257           | 20.6     | 280      | 112          |      | -         | -             |      | 75-125          | -   |      | 20         |
| Iron, Total  | 26500         | 82.3     | 32100    | 6800         | Q    | -         | -             |      | 75-125          | -   |      | 20         |
| Lead, Total  | 318           | 43.6     | 332      | 32           | Q    | -         | -             |      | 75-125          | -   |      | 20         |
| Magnesium, Total   | 2350          | 823      | 3270     | 112          |      | -         | -             |      | 75-125          | -   |      | 20         |
| Manganese, Total   | 307           | 41.2     | 397      | 219          | Q    | -         | -             |      | 75-125          | -   |      | 20         |
| Nickel, Total  | 23.2          | 41.2     | 56.1     | 80           |      | -         | -             |      | 75-125          | -   |      | 20         |
| Potassium, Total   | 1010          | 823      | 1610     | 73           | Q    | -         | -             |      | 75-125          | -   |      | 20         |
| Selenium, Total  | 0.351J        | 9.88     | 7.77     | 79           |      | -         | -             |      | 75-125          | -   |      | 20         |
| Silver, Total  | ND            | 24.7     | 19.8     | 80           |      | -         | -             |      | 75-125          | -   |      | 20         |
| Sodium, Total  | 185           | 823      | 876      | 84           |      | -         | -             |      | 75-125          | -   |      | 20         |
| Thallium, Total  | ND            | 9.88     | 6.64     | 67           | Q    | -         | -             |      | 75-125          | -   |      | 20         |
| Vanadium, Total  | 17.3          | 41.2     | 52.6     | 86           |      | -         | -             |      | 75-125          | -   |      | 20         |

**Matrix Spike Analysis**  
Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2223865

Project Number: 3883.0001Y000

Report Date: 05/13/22

| Parameter   | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---------------|----------|----------|--------------|-----------|---------------|-----------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1636828-3 QC Sample: L2223894-01 Client ID: MS Sample |               |          |          |              |           |               |                 |     |            |
| Zinc, Total   | 305           | 41.2     | 324      | 46           | Q         | -             | 75-125          | -   | 20         |
| Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1636830-3 QC Sample: L2223894-01 Client ID: MS Sample |               |          |          |              |           |               |                 |     |            |
| Mercury, Total  | 0.856         | 0.136    | 1.28     | 312          | Q         | -             | 80-120          | -   | 20         |

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 40-40 NORTHERN BLVD

Project Number: 3883.0001Y000

Lab Number: L2223865

Report Date: 05/13/22

| Parameter  | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|--|---------------|------------------|-------|-----|------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1636828-4 QC Sample: L2223894-01 Client ID: DUP Sample |               |                  |       |     |      |            |
| Aluminum, Total  | 3890          | 4460             | mg/kg | 14  |      | 20         |
| Antimony, Total  | 7.65          | 8.06             | mg/kg | 5   |      | 20         |
| Arsenic, Total   | 5.76          | 6.01             | mg/kg | 4   |      | 20         |
| Barium, Total  | 124           | 123              | mg/kg | 1   |      | 20         |
| Beryllium, Total   | 0.253J        | 0.425            | mg/kg | NC  |      | 20         |
| Cadmium, Total   | 1.58          | 1.85             | mg/kg | 16  |      | 20         |
| Calcium, Total   | 7420          | 9400             | mg/kg | 24  | Q    | 20         |
| Chromium, Total  | 27.4          | 32.0             | mg/kg | 15  |      | 20         |
| Cobalt, Total  | 6.76          | 7.51             | mg/kg | 11  |      | 20         |
| Copper, Total  | 257           | 300              | mg/kg | 15  |      | 20         |
| Iron, Total  | 26500         | 27000            | mg/kg | 2   |      | 20         |
| Lead, Total  | 318           | 359              | mg/kg | 12  |      | 20         |
| Magnesium, Total   | 2350          | 2990             | mg/kg | 24  | Q    | 20         |
| Manganese, Total   | 307           | 372              | mg/kg | 19  |      | 20         |
| Nickel, Total  | 23.2          | 27.2             | mg/kg | 16  |      | 20         |
| Potassium, Total   | 1010          | 1070             | mg/kg | 6   |      | 20         |
| Selenium, Total  | 0.351J        | 0.376J           | mg/kg | NC  |      | 20         |
| Silver, Total  | ND            | 0.401J           | mg/kg | NC  |      | 20         |
| Sodium, Total  | 185           | 203              | mg/kg | 9   |      | 20         |

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 40-40 NORTHERN BLVD

Project Number: 3883.0001Y000

Lab Number: L2223865

Report Date: 05/13/22

| Parameter   | Native Sample | Duplicate Sample | Units | RPD  | RPD Limits |
|---|---------------|------------------|-------|------|------------|
| <b>Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1636828-4 QC Sample: L2223894-01 Client ID: DUP Sample</b> |               |                  |       |      |            |
| Thallium, Total   | ND            | ND               | mg/kg | NC   | 20         |
| Vanadium, Total   | 17.3          | 21.3             | mg/kg | 21 Q | 20         |
| Zinc, Total   | 305           | 319              | mg/kg | 4    | 20         |
| <b>Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1636830-4 QC Sample: L2223894-01 Client ID: DUP Sample</b> |               |                  |       |      |            |
| Mercury, Total  | 0.856         | 1.02             | mg/kg | 17   | 20         |

Project Name: 40-40 NORTHERN BLVD

Project Number: 3883.0001Y000

**Lab Serial Dilution  
Analysis  
Batch Quality Control**

Lab Number: L2223865

Report Date: 05/13/22

| Parameter  | Native Sample | Serial Dilution | Units | % D | Qual | RPD Limits |
|--|---------------|-----------------|-------|-----|------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1636828-6 QC Sample: L2223894-01 Client ID: DUP Sample |               |                 |       |     |      |            |
| Barium, Total  | 124           | 150             | mg/kg | 21  | Q    | 20         |

# **INORGANICS & MISCELLANEOUS**



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**SAMPLE RESULTS**

**Lab ID:** L2223865-01  
**Client ID:** SB011(0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 05/05/22 12:05  
**Date Received:** 05/05/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| <b>General Chemistry - Westborough Lab</b> |        |           |       |       |       |                 |                |                |                   |         |
| Solids, Total                              | 88.7   |           | %     | 0.100 | NA    | 1               | -              | 05/06/22 15:23 | 121,2540G         | TR      |
| Cyanide, Total                             | ND     |           | mg/kg | 1.1   | 0.22  | 1               | 05/12/22 10:40 | 05/12/22 13:38 | 1,9010C/9012B     | CS      |
| Chromium, Hexavalent                       | 0.180  | J         | mg/kg | 0.902 | 0.180 | 1               | 05/06/22 18:30 | 05/07/22 16:02 | 1,7196A           | NL      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**SAMPLE RESULTS**

**Lab ID:** L2223865-02  
**Client ID:** SB011(15-17)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 05/05/22 14:05  
**Date Received:** 05/05/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| <b>General Chemistry - Westborough Lab</b> |        |           |       |       |       |                 |                |                |                   |         |
| Solids, Total                              | 74.3   |           | %     | 0.100 | NA    | 1               | -              | 05/06/22 15:23 | 121,2540G         | TR      |
| Cyanide, Total                             | ND     |           | mg/kg | 1.2   | 0.26  | 1               | 05/13/22 10:25 | 05/13/22 13:47 | 1,9010C/9012B     | CS      |
| Chromium, Hexavalent                       | 0.215  | J         | mg/kg | 1.08  | 0.215 | 1               | 05/06/22 18:30 | 05/07/22 16:02 | 1,7196A           | NL      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**Method Blank Analysis**  
**Batch Quality Control**

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|---|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1635539-1 |        |           |       |       |       |                    |                  |                  |                      |         |
| Chromium, Hexavalent  | ND     |           | mg/kg | 0.800 | 0.160 | 1                  | 05/06/22 18:30   | 05/07/22 16:02   | 1,7196A              | NL      |
| General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1637627-1    |        |           |       |       |       |                    |                  |                  |                      |         |
| Cyanide, Total  | ND     |           | mg/kg | 0.94  | 0.20  | 1                  | 05/12/22 10:40   | 05/12/22 13:23   | 1,9010C/9012B        | CS      |
| General Chemistry - Westborough Lab for sample(s): 02 Batch: WG1638130-1    |        |           |       |       |       |                    |                  |                  |                      |         |
| Cyanide, Total  | ND     |           | mg/kg | 0.97  | 0.20  | 1                  | 05/13/22 10:25   | 05/13/22 13:34   | 1,9010C/9012B        | CS      |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD

**Project Number:** 3883.0001Y000

**Lab Number:** L2223865

**Report Date:** 05/13/22

| Parameter   | LCS       |      | LCSD      |      | %Recovery Limits | RPD | Qual | RPD Limits |
|---|-----------|------|-----------|------|------------------|-----|------|------------|
|   | %Recovery | Qual | %Recovery | Qual |                  |     |      |            |
| General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1635539-2          |           |      |           |      |                  |     |      |            |
| Chromium, Hexavalent  | 86        |      | -         |      | 80-120           | -   |      | 20         |
| General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1637627-2 WG1637627-3 |           |      |           |      |                  |     |      |            |
| Cyanide, Total  | 57        | Q    | 81        |      | 80-120           | 41  | Q    | 35         |
| General Chemistry - Westborough Lab Associated sample(s): 02 Batch: WG1638130-2 WG1638130-3 |           |      |           |      |                  |     |      |            |
| Cyanide, Total  | 90        |      | 89        |      | 80-120           | 16  |      | 35         |

### Matrix Spike Analysis Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

| Parameter  | Native Sample | MS Added | MS Found | MS %Recovery | MSD Qual | MSD Found | MSD %Recovery | MSD Qual | Recovery Limits | RPD | RPD Qual | RPD Limits |
|--|---------------|----------|----------|--------------|----------|-----------|---------------|----------|-----------------|-----|----------|------------|
| General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1635539-4 QC Sample: L2223865-02 Client ID: SB011(15-17)        |               |          |          |              |          |           |               |          |                 |     |          |            |
| Chromium, Hexavalent   | 0.215J        | 1690     | 1590     | 94           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1637627-4 WG1637627-5 QC Sample: L2223865-01 Client ID: SB011(0-2) |               |          |          |              |          |           |               |          |                 |     |          |            |
| Cyanide, Total   | ND            | 11       | 13       | 120          | 10       | 95        | 75-125        | 26       |                 |     |          | 35         |

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 40-40 NORTHERN BLVD

Project Number: 3883.0001Y000

Lab Number: L2223865

Report Date: 05/13/22

| Parameter   | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1635495-1 QC Sample: L2223602-01 Client ID: DUP Sample   |               |                  |       |     |      |            |
| Solids, Total   | 82.1          | 85.5             | %     | 4   |      | 20         |
| General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1635539-6 QC Sample: L2223865-02 Client ID: SB011(15-17) |               |                  |       |     |      |            |
| Chromium, Hexavalent  | 0.215J        | 0.283J           | mg/kg | NC  |      | 20         |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

Serial\_No:05132216:44  
**Lab Number:** L2223865  
**Report Date:** 05/13/22

**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

**Cooler**                      **Custody Seal**  
 B                                      Absent

**Container Information**

| Container ID | Container Type                 | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)  |
|--------------|--------------------------------|--------|------------|----------|------------|------|--------|------------------|--|
| L2223865-01A | 5 gram Encore Sampler          | B      | NA         |          | 3.0        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2223865-01B | 5 gram Encore Sampler          | B      | NA         |          | 3.0        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2223865-01C | 5 gram Encore Sampler          | B      | NA         |          | 3.0        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2223865-01D | Plastic 2oz unpreserved for TS | B      | NA         |          | 3.0        | Y    | Absent |                  | TS(7)  |
| L2223865-01E | Glass 60mL/2oz unpreserved     | B      | NA         |          | 3.0        | Y    | Absent |                  | BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),CD-TI(180),NA-TI(180),K-TI(180),CA-TI(180) |
| L2223865-01F | Glass 120ml/4oz unpreserved    | B      | NA         |          | 3.0        | Y    | Absent |                  | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365),HERB-8151(14),HEXCR-7196(30)  |
| L2223865-01G | Glass 500ml/16oz unpreserved   | B      | NA         |          | 3.0        | Y    | Absent |                  | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365),HERB-8151(14),HEXCR-7196(30)  |
| L2223865-01X | Vial MeOH preserved split      | B      | NA         |          | 3.0        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2223865-01Y | Vial Water preserved split     | B      | NA         |          | 3.0        | Y    | Absent | 06-MAY-22 17:04  | NYTCL-8260HLW(14)  |
| L2223865-01Z | Vial Water preserved split     | B      | NA         |          | 3.0        | Y    | Absent | 06-MAY-22 17:04  | NYTCL-8260HLW(14)  |
| L2223865-02A | 5 gram Encore Sampler          | B      | NA         |          | 3.0        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2223865-02B | 5 gram Encore Sampler          | B      | NA         |          | 3.0        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2223865-02C | 5 gram Encore Sampler          | B      | NA         |          | 3.0        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2223865-02D | Plastic 2oz unpreserved for TS | B      | NA         |          | 3.0        | Y    | Absent |                  | TS(7)  |
| L2223865-02E | Glass 60mL/2oz unpreserved     | B      | NA         |          | 3.0        | Y    | Absent |                  | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180) |
| L2223865-02F | Glass 120ml/4oz unpreserved    | B      | NA         |          | 3.0        | Y    | Absent |                  | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |

\*Values in parentheses indicate holding time in days



**Project Name:** 40-40 NORTHERN BLVD

**Project Number:** 3883.0001Y000

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**Report Date:** 05/13/22

**Container Information**

| <b>Container ID</b> | <b>Container Type</b>        | <b>Cooler</b> | <b>Initial pH</b> | <b>Final pH</b> | <b>Temp deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen Date/Time</b> | <b>Analysis(*)</b>  |
|---------------------|------------------------------|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|---|
| L2223865-02G        | Glass 500ml/16oz unpreserved | B             | NA                |                 | 3.0               | Y           | Absent      |                         | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30) |
| L2223865-02X        | Vial MeOH preserved split    | B             | NA                |                 | 3.0               | Y           | Absent      |                         | NYTCL-8260HLW(14)   |
| L2223865-02Y        | Vial Water preserved split   | B             | NA                |                 | 3.0               | Y           | Absent      | 06-MAY-22 17:04         | NYTCL-8260HLW(14)   |
| L2223865-02Z        | Vial Water preserved split   | B             | NA                |                 | 3.0               | Y           | Absent      | 06-MAY-22 17:04         | NYTCL-8260HLW(14)   |
| L2223865-03A        | Vial HCl preserved           | B             | NA                |                 | 3.0               | Y           | Absent      |                         | NYTCL-8260(14)  |
| L2223865-03B        | Vial HCl preserved           | B             | NA                |                 | 3.0               | Y           | Absent      |                         | NYTCL-8260(14)  |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

## GLOSSARY

### Acronyms

|          |  |
|----------|--|
| DL       | - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  |
| EDL      | - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).   |
| EMPC     | - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.   |
| EPA      | - Environmental Protection Agency.   |
| LCS      | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.  |
| LCSD     | - Laboratory Control Sample Duplicate: Refer to LCS.   |
| LFB      | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.   |
| LOD      | - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)   |
| LOQ      | - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)<br><br>Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) |
| MDL      | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.  |
| MS       | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.  |
| MSD      | - Matrix Spike Sample Duplicate: Refer to MS.  |
| NA       | - Not Applicable.  |
| NC       | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.   |
| NDPA/DPA | - N-Nitrosodiphenylamine/Diphenylamine.  |
| NI       | - Not Ignitable.   |
| NP       | - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.  |
| NR       | - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.  |
| RL       | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.   |
| RPD      | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.  |
| SRM      | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.   |
| STLP     | - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.  |
| TEF      | - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.   |
| TEQ      | - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.  |
| TIC      | - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.  |

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 40-40 NORTHERN BLVD  
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#### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

#### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

#### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

**Data Qualifiers**

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223865  
**Report Date:** 05/13/22

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 625/625.1:** alpha-Terpineol

**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LCHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

**SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

**EPA 522, EPA 537.1.**

#### Non-Potable Water


**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1 Hg.**

**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

|  |  |  |                |   |   |   |                        |   |                        |                        |                       |                    |                    |                       |                         |                          |               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
|--|--|--|----------------|---|---|---|------------------------|---|------------------------|------------------------|-----------------------|--------------------|--------------------|-----------------------|-------------------------|--------------------------|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|
| <br><b>NEW YORK CHAIN OF CUSTODY</b><br>Westborough, MA 01581<br>8 Walkup Dr.<br>TEL: 508-898-9220<br>FAX: 508-898-9193  | <b>NEW YORK CHAIN OF CUSTODY</b><br>Mansfield, MA 02048<br>320 Forbes Blvd<br>TEL: 508-822-9300<br>FAX: 508-822-3288 | Service Centers<br>Mahwah, NJ 07430: 35 Whitney Rd, Suite 5<br>Albany, NY 12205: 14 Walker Way<br>Tonawanda, NY 14150: 275 Cooper Ave, Suite 105   | Page 1<br>of 1 | Date Rec'd in Lab<br><span style="font-size: 2em; color: blue;">5/5/12</span>   | ALPHA Job #<br><span style="font-size: 1.5em; color: blue;">L2223865</span> |   |                        |   |                        |                        |                       |                    |                    |                       |                         |                          |               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
|  |  | <b>Project Information</b><br>Project Name: <span style="font-size: 1.2em;">40-40 Northern Blvd</span><br>Project Location: <span style="font-size: 1.2em;">40-40 Northern Blvd</span><br>Project # <span style="font-size: 1.2em;">3883.0001Y000</span><br>(Use Project name as Project #) <input type="checkbox"/> |                | <b>Deliverables</b><br><input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B<br><input type="checkbox"/> EQuIS (1 File) <input type="checkbox"/> EQuIS (4 File)<br><input type="checkbox"/> Other   |   | <b>Billing Information</b><br><input checked="" type="checkbox"/> Same as Client Info<br>PO #   |                        |   |                        |                        |                       |                    |                    |                       |                         |                          |               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| <b>Client Information</b><br>Client: <span style="font-size: 1.2em;">ROUX</span><br>Address: <span style="font-size: 1.2em;">209 Shafter St<br/>Islandia, NY 11749</span><br>Phone: <span style="font-size: 1.2em;">631-232-2600</span><br>Fax:<br>Email: <span style="font-size: 1.2em;">ebutler@rouxinc.com</span> |  | <b>Project Manager:</b> <span style="font-size: 1.2em;">Emily Butler</span><br>ALPHAQuote #:<br><b>Turn-Around Time</b><br>Standard <input checked="" type="checkbox"/> Due Date:<br>Rush (only if pre approved) <input type="checkbox"/> # of Days:   |                | <b>Regulatory Requirement</b><br><input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375<br><input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51<br><input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other<br><input type="checkbox"/> NY Unrestricted Use<br><input type="checkbox"/> NYC Sewer Discharge |   | <b>Disposal Site Information</b><br>Please identify below location of applicable disposal facilities.<br>Disposal Facility:<br><input type="checkbox"/> NJ <input type="checkbox"/> NY<br><input type="checkbox"/> Other: |                        |   |                        |                        |                       |                    |                    |                       |                         |                          |               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| These samples have been previously analyzed by Alpha <input type="checkbox"/><br>Other project specific requirements/comments:<br><span style="font-size: 1.2em; color: blue;">Cont B deliverables</span>  |  | <b>ANALYSIS</b><br>Please specify Metals or TAL.   |                | <b>Sample Filtration</b><br><input type="checkbox"/> Done<br><input type="checkbox"/> Lab to do<br><b>Preservation</b><br><input type="checkbox"/> Lab to do<br>(Please Specify below)  |   |   |                        |   |                        |                        |                       |                    |                    |                       |                         |                          |               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| ALPHA Lab ID<br>(Lab Use Only)   | Sample ID  | Collection<br>Date   | Time           | Sample Matrix   | Sampler's Initials  | TCL Volatiles - EPA 8260C   | NYTCL SVOC - EPA 8210D | Hexab - EPA 8151A Long List   | TCL Pestic - EPA 8081B | Total Solids - SM 2540 | Total Cyanide SM 4510 | Hex Chrom EPA 7196 | TCL PCBs EPA 8082A | TAL Metals Total Gold | Total Mercury EPA 7471B | Sample Specific Comments | Total Bottles |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| 23865-01   | SB011(0-2)   | 5/5/12   | 1205           | Soil  | LJ  | X   | X                      | X   | X                      | X                      | X                     | X                  | X                  | X                     | X                       |                          | 7             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| -02  | SB011(15-17)   | 5/5/12   | 1405           | Soil  | LJ  | X   | X                      | X   | X                      | X                      | X                     | X                  | X                  | X                     | X                       | Low Volume               | 7             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| -03  | TB-0505.22   | 5/4/12   | -              | Water   | Lab   | X   |                        |   |                        |                        |                       |                    |                    |                       |                         | Run for VOCs only        | 2             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| Preservative Code:<br>A = None<br>B = HCl<br>C = HNO <sub>3</sub><br>D = H <sub>2</sub> SO <sub>4</sub><br>E = NaOH<br>F = MeOH<br>G = NaHSO <sub>4</sub><br>H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub><br>K/E = Zn Ac/NaOH<br>O = Other  |  | Container Code<br>P = Plastic<br>A = Amber Glass<br>V = Vial<br>G = Glass<br>B = Bacteria Cup<br>C = Cube<br>O = Other<br>E = Encore<br>D = BOD Bottle   |                | Westboro: Certification No: MA935<br>Mansfield: Certification No: MA015   |   | Container Type<br>Preservative  |                        | <table border="1" style="width:100%; text-align: center;"> <tr> <td>E</td><td>A</td><td>A</td><td>P</td><td>A</td><td>A</td><td>A</td><td>A</td><td>A</td><td>A</td><td>A</td><td>A</td><td>A</td><td>A</td><td>A</td><td>A</td> </tr> <tr> <td>A</td><td>A</td><td>A</td><td>A</td><td>A</td><td>A</td><td>A</td><td>A</td><td>A</td><td>A</td><td>A</td><td>A</td><td>A</td><td>A</td><td>A</td><td>A</td> </tr> </table> |                        |                        |                       |                    |                    |                       |                         | E                        | A             | A | P | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.) |  |
| E  | A  | A  | P              | A   | A   | A   | A                      | A   | A                      | A                      | A                     | A                  | A                  | A                     | A                       |                          |               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| A  | A  | A  | A              | A   | A   | A   | A                      | A   | A                      | A                      | A                     | A                  | A                  | A                     | A                       |                          |               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| Form No: 01-25 HC (rev. 30-Sept-2013)  |  | Relinquished By:<br><span style="font-size: 1.2em;">Lauren Jenkins</span>  |                | Date/Time<br><span style="font-size: 1.2em;">5/5/12 15:51</span>  |   | Received By:<br><span style="font-size: 1.2em;">G. JAC (AAJ)</span>   |                        | Date/Time<br><span style="font-size: 1.2em;">5/5/12 15:51</span><br><span style="font-size: 1.2em;">5/5/12 19:30</span><br><span style="font-size: 1.2em;">5/5/12 21:30</span><br><span style="font-size: 1.2em;">5/5/12 23:30</span>   |                        |                        |                       |                    |                    |                       |                         |                          |               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |



## ANALYTICAL REPORT

|                 |  |
|-----------------|--|
| Lab Number:     | L2223868   |
| Client:         | Roux Env. Eng. & Geology, DPC<br>209 Shafter Street<br>Islandia, NY 11749-5074 |
| ATTN:           | Emily Butler   |
| Phone:          | (631) 630-2432   |
| Project Name:   | 40-40 NORTHERN BLVD  |
| Project Number: | 3883.0001Y000  |
| Report Date:    | 05/17/22   |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

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320 Forbes Boulevard, Mansfield, MA 02048-1806  
508-822-9300 (Fax) 508-822-3288 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223868  
**Report Date:** 05/17/22

| <b>Alpha<br/>Sample ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Sample<br/>Location</b> | <b>Collection<br/>Date/Time</b> | <b>Receive Date</b> |
|----------------------------|------------------|---------------|----------------------------|---------------------------------|---------------------|
| L2223868-01                | SB011 (0-2) P    | SOIL          | 40-40 NORTHERN BLVD        | 05/05/22 12:10                  | 05/05/22            |
| L2223868-02                | SB011 (15-17) P  | SOIL          | 40-40 NORTHERN BLVD        | 05/05/22 14:10                  | 05/05/22            |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223868  
**Report Date:** 05/17/22

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

**HOLD POLICY** - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

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**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223868  
**Report Date:** 05/17/22

### Case Narrative (continued)

#### Report Submission

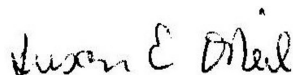
All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Perfluorinated Alkyl Acids by Isotope Dilution

L2223868-01 and -02: The MeOH fraction of the extraction is reported for perfluorooctanesulfonamide (fosa) due to better extraction efficiency of the perfluoro[13c8]octanesulfonamide (m8fosa) Extracted Internal Standard.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Susan O'Neil

Title: Technical Director/Representative

Date: 05/17/22

# ORGANICS

# SEMIVOLATILES

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223868  
**Report Date:** 05/17/22

**SAMPLE RESULTS**

**Lab ID:** L2223868-01  
**Client ID:** SB011 (0-2) P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 05/05/22 12:10  
**Date Received:** 05/05/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/15/22 00:33  
**Analyst:** SG  
**Percent Solids:** 87%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/12/22 08:16

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| <b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b> |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)   | ND     |           | ng/g  | 0.532 | 0.024 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                       | ND     |           | ng/g  | 0.532 | 0.049 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                                   | ND     |           | ng/g  | 0.266 | 0.042 | 1               |
| Perfluorohexanoic Acid (PFHxA)  | ND     |           | ng/g  | 0.532 | 0.056 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                       | ND     |           | ng/g  | 0.266 | 0.048 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                                  | ND     |           | ng/g  | 0.266 | 0.064 | 1               |
| Perfluorooctanoic Acid (PFOA)   | ND     |           | ng/g  | 0.266 | 0.045 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                     | ND     |           | ng/g  | 0.532 | 0.191 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                                 | ND     |           | ng/g  | 0.532 | 0.145 | 1               |
| Perfluorononanoic Acid (PFNA)   | ND     |           | ng/g  | 0.266 | 0.080 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                                   | 0.942  |           | ng/g  | 0.266 | 0.138 | 1               |
| Perfluorodecanoic Acid (PFDA)   | ND     |           | ng/g  | 0.266 | 0.071 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                     | ND     |           | ng/g  | 0.532 | 0.305 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)             | ND     |           | ng/g  | 0.532 | 0.214 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                                      | ND     |           | ng/g  | 0.532 | 0.050 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                                   | 0.942  |           | ng/g  | 0.532 | 0.163 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)              | 0.185  | J         | ng/g  | 0.532 | 0.090 | 1               |
| Perfluorododecanoic Acid (PFDoA)                                      | ND     |           | ng/g  | 0.532 | 0.075 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                                    | ND     |           | ng/g  | 0.532 | 0.218 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                                    | ND     |           | ng/g  | 0.532 | 0.058 | 1               |
| PFOA/PFOS, Total  | 0.942  |           | ng/g  | 0.266 | 0.045 | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223868  
**Report Date:** 05/17/22

**SAMPLE RESULTS**

**Lab ID:** L2223868-01  
**Client ID:** SB011 (0-2) P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 05/05/22 12:10  
**Date Received:** 05/05/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|----|-----|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |    |     |                 |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|--|------------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 104        |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 113        |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 103        |           | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 101        |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 100        |           | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 104        |           | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 101        |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 115        |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 108        |           | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 103        |           | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 102        |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 161        |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 110        |           | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 102        |           | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 122        |           | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 103        |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 101        |           | 24-159              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223868  
**Report Date:** 05/17/22

**SAMPLE RESULTS**

Lab ID: L2223868-01  
 Client ID: SB011 (0-2) P  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 05/05/22 12:10  
 Date Received: 05/05/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 05/15/22 12:56  
 Analyst: SG  
 Percent Solids: 87%

Extraction Method: ALPHA 23528  
 Extraction Date: 05/12/22 08:16

| Parameter   | Result | Qualifier | Units             | RL               | MDL                        | Dilution Factor |
|---|--------|-----------|-------------------|------------------|----------------------------|-----------------|
| <b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b> |        |           |                   |                  |                            |                 |
| Perfluorooctanesulfonamide (FOSA)                                     | ND     |           | ng/g              | 0.532            | 0.104                      | 1               |
| <b>Surrogate (Extracted Internal Standard)</b>                        |        |           | <b>% Recovery</b> | <b>Qualifier</b> | <b>Acceptance Criteria</b> |                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                             |        |           | 79                |                  | 10-117                     |                 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223868  
**Report Date:** 05/17/22

**SAMPLE RESULTS**

Lab ID: L2223868-02  
 Client ID: SB011 (15-17) P  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 05/05/22 14:10  
 Date Received: 05/05/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 05/15/22 00:49  
 Analyst: SG  
 Percent Solids: 81%

Extraction Method: ALPHA 23528  
 Extraction Date: 05/12/22 08:16

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| <b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b> |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)   | ND     |           | ng/g  | 0.554 | 0.025 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                       | ND     |           | ng/g  | 0.554 | 0.051 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                                   | ND     |           | ng/g  | 0.277 | 0.043 | 1               |
| Perfluorohexanoic Acid (PFHxA)  | ND     |           | ng/g  | 0.554 | 0.058 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                       | ND     |           | ng/g  | 0.277 | 0.050 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                                  | ND     |           | ng/g  | 0.277 | 0.067 | 1               |
| Perfluorooctanoic Acid (PFOA)   | 0.170  | JF        | ng/g  | 0.277 | 0.046 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                     | ND     |           | ng/g  | 0.554 | 0.199 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                                 | ND     |           | ng/g  | 0.554 | 0.151 | 1               |
| Perfluorononanoic Acid (PFNA)   | ND     |           | ng/g  | 0.277 | 0.083 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                                   | ND     |           | ng/g  | 0.277 | 0.144 | 1               |
| Perfluorodecanoic Acid (PFDA)   | ND     |           | ng/g  | 0.277 | 0.074 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                     | ND     |           | ng/g  | 0.554 | 0.318 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)             | ND     |           | ng/g  | 0.554 | 0.223 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                                      | ND     |           | ng/g  | 0.554 | 0.052 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                                   | ND     |           | ng/g  | 0.554 | 0.170 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)              | ND     |           | ng/g  | 0.554 | 0.094 | 1               |
| Perfluorododecanoic Acid (PFDoA)                                      | ND     |           | ng/g  | 0.554 | 0.078 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                                    | ND     |           | ng/g  | 0.554 | 0.227 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                                    | ND     |           | ng/g  | 0.554 | 0.060 | 1               |
| PFOA/PFOS, Total  | 0.170  | J         | ng/g  | 0.277 | 0.046 | 1               |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223868  
**Report Date:** 05/17/22

**SAMPLE RESULTS**

**Lab ID:** L2223868-02  
**Client ID:** SB011 (15-17) P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 05/05/22 14:10  
**Date Received:** 05/05/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|----|-----|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |    |     |                 |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|--|------------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 100        |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 108        |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 101        |           | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 102        |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 102        |           | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 102        |           | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 95         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 91         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 99         |           | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 98         |           | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 102        |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 98         |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 86         |           | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 102        |           | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 98         |           | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 97         |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 88         |           | 24-159              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223868  
**Report Date:** 05/17/22

**SAMPLE RESULTS**

Lab ID: L2223868-02  
 Client ID: SB011 (15-17) P  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 05/05/22 14:10  
 Date Received: 05/05/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 05/15/22 13:04  
 Analyst: SG  
 Percent Solids: 81%

Extraction Method: ALPHA 23528  
 Extraction Date: 05/12/22 08:16

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

## Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

|                                   |    |  |      |       |       |   |
|-----------------------------------|----|--|------|-------|-------|---|
| Perfluorooctanesulfonamide (FOSA) | ND |  | ng/g | 0.554 | 0.108 | 1 |
|-----------------------------------|----|--|------|-------|-------|---|

| Surrogate (Extracted Internal Standard) | % Recovery | Qualifier | Acceptance Criteria |
|---|------------|-----------|---------------------|
|---|------------|-----------|---------------------|

|   |    |  |        |
|---|----|--|--------|
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 85 |  | 10-117 |
|---|----|--|--------|

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223868  
**Report Date:** 05/17/22

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/14/22 21:31  
**Analyst:** SG

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/12/22 08:16

| Parameter  | Result | Qualifier | Units | RL    | MDL   |
|--|--------|-----------|-------|-------|-------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1637514-1 |        |           |       |       |       |
| Perfluorobutanoic Acid (PFBA)  | ND     |           | ng/g  | 0.500 | 0.023 |
| Perfluoropentanoic Acid (PFPeA)  | ND     |           | ng/g  | 0.500 | 0.046 |
| Perfluorobutanesulfonic Acid (PFBS)  | ND     |           | ng/g  | 0.250 | 0.039 |
| Perfluorohexanoic Acid (PFHxA)   | ND     |           | ng/g  | 0.500 | 0.053 |
| Perfluoroheptanoic Acid (PFHpA)  | ND     |           | ng/g  | 0.250 | 0.045 |
| Perfluorohexanesulfonic Acid (PFHxS)   | ND     |           | ng/g  | 0.250 | 0.061 |
| Perfluorooctanoic Acid (PFOA)  | ND     |           | ng/g  | 0.250 | 0.042 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)  | ND     |           | ng/g  | 0.500 | 0.180 |
| Perfluoroheptanesulfonic Acid (PFHpS)  | ND     |           | ng/g  | 0.500 | 0.136 |
| Perfluorononanoic Acid (PFNA)  | ND     |           | ng/g  | 0.250 | 0.075 |
| Perfluorooctanesulfonic Acid (PFOS)  | ND     |           | ng/g  | 0.250 | 0.130 |
| Perfluorodecanoic Acid (PFDA)  | ND     |           | ng/g  | 0.250 | 0.067 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)  | ND     |           | ng/g  | 0.500 | 0.287 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)  | ND     |           | ng/g  | 0.500 | 0.202 |
| Perfluoroundecanoic Acid (PFUnA)   | ND     |           | ng/g  | 0.500 | 0.047 |
| Perfluorodecanesulfonic Acid (PFDS)  | ND     |           | ng/g  | 0.500 | 0.153 |
| Perfluorooctanesulfonamide (FOSA)  | ND     |           | ng/g  | 0.500 | 0.098 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)   | ND     |           | ng/g  | 0.500 | 0.085 |
| Perfluorododecanoic Acid (PFDoA)   | ND     |           | ng/g  | 0.500 | 0.070 |
| Perfluorotridecanoic Acid (PFTrDA)   | ND     |           | ng/g  | 0.500 | 0.204 |
| Perfluorotetradecanoic Acid (PFTA)   | ND     |           | ng/g  | 0.500 | 0.054 |
| PFOA/PFOS, Total   | ND     |           | ng/g  | 0.250 | 0.042 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223868  
**Report Date:** 05/17/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 134,LCMSMS-ID  
Analytical Date: 05/14/22 21:31  
Analyst: SG

Extraction Method: ALPHA 23528  
Extraction Date: 05/12/22 08:16

| Parameter  | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|----|-----|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1637514-1 |        |           |       |    |     |

| Surrogate (Extracted Internal Standard)                                | %Recovery | Qualifier | Acceptance Criteria |
|--|-----------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 84        |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 89        |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 86        |           | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 84        |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 83        |           | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 86        |           | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 76        |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 73        |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 81        |           | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 79        |           | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 80        |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 87        |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 65        |           | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 82        |           | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 53        |           | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 58        |           | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 77        |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 55        |           | 24-159              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223868  
**Report Date:** 05/17/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 134,LCMSMS-ID  
Analytical Date: 05/15/22 12:06  
Analyst: SG

Extraction Method: ALPHA 23528  
Extraction Date: 05/12/22 08:16

| Parameter  | Result | Qualifier | Units | RL    | MDL   |
|--|--------|-----------|-------|-------|-------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1637514-1 |        |           |       |       |       |
| Perfluorooctanesulfonamide (FOSA)  | ND     |           | ng/g  | 0.500 | 0.098 |

| Surrogate (Extracted Internal Standard)   | %Recovery | Qualifier | Acceptance Criteria |
|---|-----------|-----------|---------------------|
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 94        |           | 10-117              |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2223868

Project Number: 3883.0001Y000

Report Date: 05/17/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 Batch: WG1637514-2 |                  |      |                   |      |                     |     |      |               |
| Perfluorobutanoic Acid (PFBA)   | 93               |      | -                 |      | 71-135              | -   |      | 30            |
| Perfluoropentanoic Acid (PFPeA)   | 93               |      | -                 |      | 69-132              | -   |      | 30            |
| Perfluorobutanesulfonic Acid (PFBS)   | 93               |      | -                 |      | 72-128              | -   |      | 30            |
| Perfluorohexanoic Acid (PFHxA)  | 92               |      | -                 |      | 70-132              | -   |      | 30            |
| Perfluoroheptanoic Acid (PFHpA)   | 91               |      | -                 |      | 71-131              | -   |      | 30            |
| Perfluorohexanesulfonic Acid (PFHxS)  | 102              |      | -                 |      | 67-130              | -   |      | 30            |
| Perfluorooctanoic Acid (PFOA)   | 98               |      | -                 |      | 69-133              | -   |      | 30            |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)   | 94               |      | -                 |      | 64-140              | -   |      | 30            |
| Perfluoroheptanesulfonic Acid (PFHpS)   | 109              |      | -                 |      | 70-132              | -   |      | 30            |
| Perfluorononanoic Acid (PFNA)   | 100              |      | -                 |      | 72-129              | -   |      | 30            |
| Perfluorooctanesulfonic Acid (PFOS)   | 114              |      | -                 |      | 68-136              | -   |      | 30            |
| Perfluorodecanoic Acid (PFDA)   | 90               |      | -                 |      | 69-133              | -   |      | 30            |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)   | 92               |      | -                 |      | 65-137              | -   |      | 30            |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)   | 105              |      | -                 |      | 63-144              | -   |      | 30            |
| Perfluoroundecanoic Acid (PFUnA)  | 109              |      | -                 |      | 64-136              | -   |      | 30            |
| Perfluorodecanesulfonic Acid (PFDS)   | 84               |      | -                 |      | 59-134              | -   |      | 30            |
| Perfluorooctanesulfonamide (FOSA)   | 98               |      | -                 |      | 67-137              | -   |      | 30            |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)  | 94               |      | -                 |      | 61-139              | -   |      | 30            |
| Perfluorododecanoic Acid (PFDoA)  | 99               |      | -                 |      | 69-135              | -   |      | 30            |
| Perfluorotridecanoic Acid (PFTrDA)  | 96               |      | -                 |      | 66-139              | -   |      | 30            |
| Perfluorotetradecanoic Acid (PFTA)  | 97               |      | -                 |      | 69-133              | -   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2223868

Project Number: 3883.0001Y000

Report Date: 05/17/22

| Parameter   | LCS       |      | LCSD      |      | %Recovery |      | RPD | RPD    |  |
|---|-----------|------|-----------|------|-----------|------|-----|--------|--|
|   | %Recovery | Qual | %Recovery | Qual | Limits    | Qual |     | Limits |  |
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 Batch: WG1637514-2 |           |      |           |      |           |      |     |        |  |

| Surrogate (Extracted Internal Standard)                                | LCS       |      | LCSD      |      | Acceptance<br>Criteria |
|--|-----------|------|-----------|------|------------------------|
|  | %Recovery | Qual | %Recovery | Qual |                        |
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 86        |      |           |      | 61-135                 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 91        |      |           |      | 58-150                 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 87        |      |           |      | 74-139                 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 89        |      |           |      | 66-128                 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 87        |      |           |      | 71-129                 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 89        |      |           |      | 78-139                 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 83        |      |           |      | 75-130                 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 80        |      |           |      | 20-154                 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 86        |      |           |      | 72-140                 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 81        |      |           |      | 79-136                 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 87        |      |           |      | 75-130                 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 99        |      |           |      | 19-175                 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 65        |      |           |      | 31-134                 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 82        |      |           |      | 61-155                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 35        |      |           |      | 10-117                 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 71        |      |           |      | 34-137                 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 85        |      |           |      | 54-150                 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 68        |      |           |      | 24-159                 |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD

**Project Number:** 3883.0001Y000

**Lab Number:** L2223868

**Report Date:** 05/17/22

| <b>Parameter</b>  | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|---|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 Batch: WG1637514-2 |                          |             |                           |             |                             |            |             |                       |
| Perfluorooctanesulfonamide (FOSA)   | 110                      |             | -                         |             | 67-137                      | -          |             | 30                    |

| <b>Surrogate (Extracted Internal Standard)</b> | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> |
|--|--------------------------|-------------|---------------------------|-------------|--------------------------------|
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)      | 91                       |             |                           |             | 10-117                         |



## Matrix Spike Analysis

### Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2223868

**Project Number:** 3883.0001Y000

**Report Date:** 05/17/22

| Parameter   | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---------------|----------|----------|--------------|------|-----------|---------------|------|-----------------|-----|------|------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1637514-3 QC Sample: L2223048-01 Client ID: MS Sample |               |          |          |              |      |           |               |      |                 |     |      |            |
| Perfluorobutanoic Acid (PFBA)   | ND            | 5.34     | 4.90     | 92           |      | -         | -             |      | 71-135          | -   |      | 30         |
| Perfluoropentanoic Acid (PFPeA)   | ND            | 5.34     | 4.85     | 91           |      | -         | -             |      | 69-132          | -   |      | 30         |
| Perfluorobutanesulfonic Acid (PFBS)   | ND            | 4.74     | 4.16     | 88           |      | -         | -             |      | 72-128          | -   |      | 30         |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)   | ND            | 5.01     | 4.49     | 90           |      | -         | -             |      | 62-145          | -   |      | 30         |
| Perfluorohexanoic Acid (PFHxA)  | ND            | 5.34     | 4.84     | 91           |      | -         | -             |      | 70-132          | -   |      | 30         |
| Perfluoropentanesulfonic Acid (PFPeS)   | ND            | 5.03     | 4.50     | 90           |      | -         | -             |      | 73-123          | -   |      | 30         |
| Perfluoroheptanoic Acid (PFHpA)   | ND            | 5.34     | 4.84     | 91           |      | -         | -             |      | 71-131          | -   |      | 30         |
| Perfluorohexanesulfonic Acid (PFHxS)  | ND            | 4.88     | 4.87     | 100          |      | -         | -             |      | 67-130          | -   |      | 30         |
| Perfluorooctanoic Acid (PFOA)   | 0.224JF       | 5.34     | 5.88     | 106          |      | -         | -             |      | 69-133          | -   |      | 30         |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)   | ND            | 5.08     | 4.77     | 94           |      | -         | -             |      | 64-140          | -   |      | 30         |
| Perfluoroheptanesulfonic Acid (PFHpS)   | ND            | 5.09     | 4.94     | 97           |      | -         | -             |      | 70-132          | -   |      | 30         |
| Perfluorononanoic Acid (PFNA)   | ND            | 5.34     | 5.44     | 102          |      | -         | -             |      | 72-129          | -   |      | 30         |
| Perfluorooctanesulfonic Acid (PFOS)   | 0.176J        | 4.96     | 5.40     | 105          |      | -         | -             |      | 68-136          | -   |      | 30         |
| Perfluorodecanoic Acid (PFDA)   | ND            | 5.34     | 4.51     | 85           |      | -         | -             |      | 69-133          | -   |      | 30         |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)   | ND            | 5.13     | 5.60     | 109          |      | -         | -             |      | 65-137          | -   |      | 30         |
| Perfluorononanesulfonic Acid (PFNS)   | ND            | 5.14     | 5.39     | 105          |      | -         | -             |      | 69-125          | -   |      | 30         |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)   | ND            | 5.34     | 5.80     | 109          |      | -         | -             |      | 63-144          | -   |      | 30         |
| Perfluoroundecanoic Acid (PFUnA)  | ND            | 5.34     | 5.93     | 111          |      | -         | -             |      | 64-136          | -   |      | 30         |
| Perfluorodecanesulfonic Acid (PFDS)   | ND            | 5.16     | 4.29     | 83           |      | -         | -             |      | 59-134          | -   |      | 30         |
| Perfluorooctanesulfonamide (FOSA)   | ND            | 5.34     | 4.84     | 91           |      | -         | -             |      | 67-137          | -   |      | 30         |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)  | ND            | 5.34     | 4.71     | 88           |      | -         | -             |      | 61-139          | -   |      | 30         |
| Perfluorododecanoic Acid (PFDoA)  | ND            | 5.34     | 4.98     | 93           |      | -         | -             |      | 69-135          | -   |      | 30         |

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2223868

**Project Number:** 3883.0001Y000

**Report Date:** 05/17/22

| <i>Parameter</i>  | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|---|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1637514-3 QC Sample: L2223048-01 Client ID: MS Sample |                      |                 |                 |                     |             |                  |                      |             |                        |            |             |                   |
| Perfluorotridecanoic Acid (PFTTrDA)   | ND                   | 5.34            | 5.22            | 98                  |             | -                | -                    |             | 66-139                 | -          |             | 30                |
| Perfluorotetradecanoic Acid (PFTTA)   | ND                   | 5.34            | 5.24            | 98                  |             | -                | -                    |             | 69-133                 | -          |             | 30                |

| <i>Surrogate (Extracted Internal Standard)</i>                         | <i>MS % Recovery</i> | <i>Qualifier</i> | <i>MSD % Recovery</i> | <i>Qualifier</i> | <i>Acceptance Criteria</i> |
|--|----------------------|------------------|-----------------------|------------------|----------------------------|
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 88                   |                  |                       |                  | 19-175                     |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)         | 70                   |                  |                       |                  | 14-167                     |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 78                   |                  |                       |                  | 20-154                     |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 71                   |                  |                       |                  | 34-137                     |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 49                   |                  |                       |                  | 31-134                     |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 85                   |                  |                       |                  | 61-155                     |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 93                   |                  |                       |                  | 75-130                     |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 94                   |                  |                       |                  | 66-128                     |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 94                   |                  |                       |                  | 71-129                     |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 97                   |                  |                       |                  | 78-139                     |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 92                   |                  |                       |                  | 54-150                     |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 88                   |                  |                       |                  | 24-159                     |
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 87                   |                  |                       |                  | 61-135                     |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 96                   |                  |                       |                  | 58-150                     |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 79                   |                  |                       |                  | 10-117                     |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 95                   |                  |                       |                  | 79-136                     |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 85                   |                  |                       |                  | 75-130                     |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 91                   |                  |                       |                  | 72-140                     |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 93                   |                  |                       |                  | 74-139                     |

## Lab Duplicate Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Project Number: 3883.0001Y000

Lab Number: L2223868

Report Date: 05/17/22

| Parameter  | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|--|---------------|------------------|-------|-----|------|------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1637514-4 QC Sample: L2223048-02 Client ID: DUP Sample |               |                  |       |     |      |            |
| Perfluorobutanoic Acid (PFBA)  | ND            | ND               | ng/g  | NC  |      | 30         |
| Perfluoropentanoic Acid (PFPeA)  | ND            | ND               | ng/g  | NC  |      | 30         |
| Perfluorobutanesulfonic Acid (PFBS)  | ND            | ND               | ng/g  | NC  |      | 30         |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)  | ND            | ND               | ng/g  | NC  |      | 30         |
| Perfluorohexanoic Acid (PFHxA)   | ND            | ND               | ng/g  | NC  |      | 30         |
| Perfluoropentanesulfonic Acid (PFPeS)  | ND            | ND               | ng/g  | NC  |      | 30         |
| Perfluoroheptanoic Acid (PFHpA)  | ND            | ND               | ng/g  | NC  |      | 30         |
| Perfluorohexanesulfonic Acid (PFHxS)   | ND            | ND               | ng/g  | NC  |      | 30         |
| Perfluorooctanoic Acid (PFOA)  | 0.056J        | 0.053J           | ng/g  | NC  |      | 30         |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)  | ND            | ND               | ng/g  | NC  |      | 30         |
| Perfluoroheptanesulfonic Acid (PFHpS)  | ND            | ND               | ng/g  | NC  |      | 30         |
| Perfluorononanoic Acid (PFNA)  | ND            | ND               | ng/g  | NC  |      | 30         |
| Perfluorooctanesulfonic Acid (PFOS)  | 0.978         | 0.965            | ng/g  | 1   |      | 30         |
| Perfluorodecanoic Acid (PFDA)  | 0.089JF       | ND               | ng/g  | NC  |      | 30         |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)  | ND            | ND               | ng/g  | NC  |      | 30         |
| Perfluorononanesulfonic Acid (PFNS)  | ND            | ND               | ng/g  | NC  |      | 30         |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)  | ND            | ND               | ng/g  | NC  |      | 30         |
| Perfluoroundecanoic Acid (PFUnA)   | ND            | 0.051J           | ng/g  | NC  |      | 30         |
| Perfluorodecanesulfonic Acid (PFDS)  | ND            | ND               | ng/g  | NC  |      | 30         |
| Perfluorooctanesulfonamide (FOSA)  | ND            | ND               | ng/g  | NC  |      | 30         |

## Lab Duplicate Analysis

### Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223868  
**Report Date:** 05/17/22

| Parameter  | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|--|---------------|------------------|-------|-----|------|------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1637514-4 QC Sample: L2223048-02 Client ID: DUP Sample |               |                  |       |     |      |            |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)   | ND            | ND               | ng/g  | NC  |      | 30         |
| Perfluorododecanoic Acid (PFDoA)   | ND            | ND               | ng/g  | NC  |      | 30         |
| Perfluorotridecanoic Acid (PFTTrDA)  | ND            | ND               | ng/g  | NC  |      | 30         |
| Perfluorotetradecanoic Acid (PFTA)   | ND            | ND               | ng/g  | NC  |      | 30         |

| Surrogate (Extracted Internal Standard)                                | %Recovery | Qualifier | %Recovery | Qualifier | Acceptance Criteria |
|--|-----------|-----------|-----------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 99        |           | 96        |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 106       |           | 102       |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 106       |           | 103       |           | 74-139              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)         | 86        |           | 82        |           | 14-167              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 101       |           | 98        |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 100       |           | 99        |           | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 114       |           | 106       |           | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 96        |           | 95        |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 100       |           | 98        |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 98        |           | 98        |           | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 106       |           | 104       |           | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 99        |           | 95        |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 139       |           | 124       |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 92        |           | 91        |           | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 98        |           | 94        |           | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 79        |           | 77        |           | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 104       |           | 104       |           | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 99        |           | 98        |           | 54-150              |

## Lab Duplicate Analysis

Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Project Number: 3883.0001Y000

Lab Number: L2223868

Report Date: 05/17/22

| Parameter  | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|--|---------------|------------------|-------|-----|------|------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1637514-4 QC Sample: L2223048-02 Client ID: DUP Sample |               |                  |       |     |      |            |

| Surrogate (Extracted Internal Standard)          | %Recovery | Qualifier | %Recovery | Qualifier | Acceptance Criteria |
|--|-----------|-----------|-----------|-----------|---------------------|
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 98        |           | 92        |           | 24-159              |

# **INORGANICS & MISCELLANEOUS**

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2223868

Project Number: 3883.0001Y000

Report Date: 05/17/22

## SAMPLE RESULTS

Lab ID: L2223868-01

Date Collected: 05/05/22 12:10

Client ID: SB011 (0-2) P

Date Received: 05/05/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter                         | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-----------------------------------|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Mansfield Lab |        |           |       |       |       |                    |                  |                  |                      |         |
| Solids, Total                     | 87.0   |           | %     | 0.100 | 0.100 | 1                  | -                | 05/10/22 14:08   | 121,2540G            | JM      |



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2223868

Project Number: 3883.0001Y000

Report Date: 05/17/22

**SAMPLE RESULTS**

Lab ID: L2223868-02

Date Collected: 05/05/22 14:10

Client ID: SB011 (15-17) P

Date Received: 05/05/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter                                | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|--|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------------|---------|
| <b>General Chemistry - Mansfield Lab</b> |        |           |       |       |       |                    |                  |                  |                      |         |
| Solids, Total                            | 81.3   |           | %     | 0.100 | 0.100 | 1                  | -                | 05/10/22 14:08   | 121,2540G            | JM      |





## Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** 40-40 NORTHERN BLVD

**Project Number:** 3883.0001Y000

**Lab Number:** L2223868

**Report Date:** 05/17/22

| Parameter   | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| General Chemistry - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1636627-1 QC Sample: L2222744-01 Client ID: DUP Sample |               |                  |       |     |      |            |
| Solids, Total   | 68.8          | 68.4             | %     | 1   |      | 10         |

**Project Name:** 40-40 NORTHERN BLVD

**Project Number:** 3883.0001Y000

Serial\_No:05172217:12

**Lab Number:** L2223868

**Report Date:** 05/17/22

**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

**Cooler**                      **Custody Seal**

A                                      Absent

**Container Information**

| <b>Container ID</b> | <b>Container Type</b>          | <b>Cooler</b> | <b>Initial<br/>pH</b> | <b>Final<br/>pH</b> | <b>Temp<br/>deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen<br/>Date/Time</b> | <b>Analysis(*)</b>    |
|---------------------|--------------------------------|---------------|-----------------------|---------------------|-----------------------|-------------|-------------|-----------------------------|-----------------------|
| L2223868-01A        | Plastic 2oz unpreserved for TS | A             | NA                    |                     | 2.7                   | Y           | Absent      |                             | A2-TS(7)              |
| L2223868-01B        | Plastic 8oz unpreserved        | A             | NA                    |                     | 2.7                   | Y           | Absent      |                             | A2-NY-537-ISOTOPE(14) |
| L2223868-02A        | Plastic 2oz unpreserved for TS | A             | NA                    |                     | 2.7                   | Y           | Absent      |                             | A2-TS(7)              |
| L2223868-02B        | Plastic 8oz unpreserved        | A             | NA                    |                     | 2.7                   | Y           | Absent      |                             | A2-NY-537-ISOTOPE(14) |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

Serial\_No:05172217:12  
**Lab Number:** L2223868  
**Report Date:** 05/17/22

### PFAS PARAMETER SUMMARY

| Parameter   | Acronym      | CAS Number  |
|---|--------------|-------------|
| <b>PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)</b>                          |              |             |
| Perfluorooctadecanoic Acid  | PFODA        | 16517-11-6  |
| Perfluorohexadecanoic Acid  | PFHxDA       | 67905-19-5  |
| Perfluorotetradecanoic Acid   | PFTA         | 376-06-7    |
| Perfluorotridecanoic Acid   | PFTrDA       | 72629-94-8  |
| Perfluorododecanoic Acid  | PFDoA        | 307-55-1    |
| Perfluoroundecanoic Acid  | PFUnA        | 2058-94-8   |
| Perfluorodecanoic Acid  | PFDA         | 335-76-2    |
| Perfluorononanoic Acid  | PFNA         | 375-95-1    |
| Perfluorooctanoic Acid  | PFOA         | 335-67-1    |
| Perfluoroheptanoic Acid   | PFHpA        | 375-85-9    |
| Perfluorohexanoic Acid  | PFHxA        | 307-24-4    |
| Perfluoropentanoic Acid   | PFPeA        | 2706-90-3   |
| Perfluorobutanoic Acid  | PFBA         | 375-22-4    |
| <b>PERFLUOROALKYL SULFONIC ACIDS (PFSAs)</b>                            |              |             |
| Perfluorododecanesulfonic Acid  | PFDoDS       | 79780-39-5  |
| Perfluorodecanesulfonic Acid  | PFDS         | 335-77-3    |
| Perfluorononanesulfonic Acid  | PFNS         | 68259-12-1  |
| Perfluorooctanesulfonic Acid  | PFOS         | 1763-23-1   |
| Perfluoroheptanesulfonic Acid   | PFHpS        | 375-92-8    |
| Perfluorohexanesulfonic Acid  | PFHxS        | 355-46-4    |
| Perfluoropentanesulfonic Acid   | PFPeS        | 2706-91-4   |
| Perfluorobutanesulfonic Acid  | PFBS         | 375-73-5    |
| <b>FLUOROTELOMERS</b>   |              |             |
| 1H,1H,2H,2H-Perfluorododecanesulfonic Acid                              | 10:2FTS      | 120226-60-0 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid                                | 8:2FTS       | 39108-34-4  |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid                                | 6:2FTS       | 27619-97-2  |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid                                | 4:2FTS       | 757124-72-4 |
| <b>PERFLUOROALKANE SULFONAMIDES (FASAs)</b>                             |              |             |
| Perfluorooctanesulfonamide  | FOSA         | 754-91-6    |
| N-Ethyl Perfluorooctane Sulfonamide                                     | NEtFOSA      | 4151-50-2   |
| N-Methyl Perfluorooctane Sulfonamide                                    | NMeFOSA      | 31506-32-8  |
| <b>PERFLUOROALKANE SULFONYL SUBSTANCES</b>                              |              |             |
| N-Ethyl Perfluorooctanesulfonamido Ethanol                              | NEtFOSE      | 1691-99-2   |
| N-Methyl Perfluorooctanesulfonamido Ethanol                             | NMeFOSE      | 24448-09-7  |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid                           | NEtFOSAA     | 2991-50-6   |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid                          | NMeFOSAA     | 2355-31-9   |
| <b>PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS</b>                  |              |             |
| 2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid | HFPO-DA      | 13252-13-6  |
| 4,8-Dioxa-3h-Perfluorononanoic Acid                                     | ADONA        | 919005-14-4 |
| <b>CHLORO-PERFLUOROALKYL SULFONIC ACIDS</b>                             |              |             |
| 11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid                      | 11Cl-PF3OUdS | 763051-92-9 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid                        | 9Cl-PF3ONS   | 756426-58-1 |
| <b>PERFLUOROETHER SULFONIC ACIDS (PFESAs)</b>                           |              |             |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid                                  | PFEEESA      | 113507-82-7 |
| <b>PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)</b>               |              |             |
| Perfluoro-3-Methoxypropanoic Acid                                       | PFMPA        | 377-73-1    |
| Perfluoro-4-Methoxybutanoic Acid  | PFMBA        | 863090-89-5 |
| Nonafluoro-3,6-Dioxaheptanoic Acid                                      | NFDHA        | 151772-58-6 |

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## GLOSSARY

### Acronyms

|          |  |
|----------|--|
| DL       | - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  |
| EDL      | - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).   |
| EMPC     | - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.   |
| EPA      | - Environmental Protection Agency.   |
| LCS      | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.  |
| LCSD     | - Laboratory Control Sample Duplicate: Refer to LCS.   |
| LFB      | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.   |
| LOD      | - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)   |
| LOQ      | - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)<br><br>Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) |
| MDL      | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.  |
| MS       | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.  |
| MSD      | - Matrix Spike Sample Duplicate: Refer to MS.  |
| NA       | - Not Applicable.  |
| NC       | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.   |
| NDPA/DPA | - N-Nitrosodiphenylamine/Diphenylamine.  |
| NI       | - Not Ignitable.   |
| NP       | - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.  |
| NR       | - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.  |
| RL       | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.   |
| RPD      | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.  |
| SRM      | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.   |
| STLP     | - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.  |
| TEF      | - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.   |
| TEQ      | - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.  |
| TIC      | - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.  |

Report Format: DU Report with 'J' Qualifiers



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#### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

#### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

#### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

**Report Format:** DU Report with 'J' Qualifiers



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**Data Qualifiers**

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2223868  
**Report Date:** 05/17/22

## REFERENCES

- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 625/625.1:** alpha-Terpineol

**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LCHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

**SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

**EPA 522, EPA 537.1.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.


**EPA 245.1 Hg.**

**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



L2223468

| <br><b>NEW YORK CHAIN OF CUSTODY</b><br>Westborough, MA 01581<br>8 Walkup Dr.<br>TEL: 508-898-9220<br>FAX: 508-898-9193  | Service Centers<br>Mahwah, NJ 07430: 35 Whitney Rd, Suite 5<br>Albany, NY 12205: 14 Walker Way<br>Tonawanda, NY 14150: 275 Cooper Ave, Suite 105 | Page 1   | Date Rec'd in Lab<br><b>5/5/22</b> | ALPHA Job #<br><b>L2223468</b>   |    |  |                    |  |                    |   |                      |  |  |   |  |  |            |   |                                      |                      |                    |              |        |      |      |    |   |   |  |  |  |  |  |  |  |  |  |   |                    |                |        |      |      |    |   |   |  |  |  |  |  |  |  |  |  |
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|  |  | of 1   |                                    |  |    |  |                    |  |                    |   |                      |  |  |   |  |  |            |   |                                      |                      |                    |              |        |      |      |    |   |   |  |  |  |  |  |  |  |  |  |   |                    |                |        |      |      |    |   |   |  |  |  |  |  |  |  |  |  |
| <b>Mansfield, MA 02048</b><br>320 Forbes Blvd<br>TEL: 508-822-9300<br>FAX: 508-822-3288  |  | Project Information<br>Project Name: <b>40-40 Northern Blvd</b><br>Project Location: <b>40-40 Northern Blvd</b><br>Project # <b>3883.0001Y000</b><br>(Use Project name as Project #) <input type="checkbox"/>      |                                    | Deliverables<br><input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B<br><input type="checkbox"/> EQuIS (1 File) <input type="checkbox"/> EQuIS (4 File)<br><input type="checkbox"/> Other |    |  |                    |  |                    |   |                      |  |  |   |  |  |            |   |                                      |                      |                    |              |        |      |      |    |   |   |  |  |  |  |  |  |  |  |  |   |                    |                |        |      |      |    |   |   |  |  |  |  |  |  |  |  |  |
| Client Information<br>Client: <b>ROUX</b><br>Address: <b>209 Shafter St<br/>                 Islandia NY 11749</b><br>Phone: <b>631-232-2600</b><br>Fax:<br>Email: <b>ebutler@rouxinc.com</b>  |  | Project Manager: <b>Emily Butler</b><br>ALPHAQuote #:<br>Turn-Around Time<br>Standard <input checked="" type="checkbox"/> Due Date:<br>Rush (only if pre approved) <input type="checkbox"/> # of Days:             |                                    | Billing Information<br><input checked="" type="checkbox"/> Same as Client Info<br>PO #   |    |  |                    |  |                    |   |                      |  |  |   |  |  |            |   |                                      |                      |                    |              |        |      |      |    |   |   |  |  |  |  |  |  |  |  |  |   |                    |                |        |      |      |    |   |   |  |  |  |  |  |  |  |  |  |
| Regulatory Requirement<br><input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375<br><input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51<br><input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other<br><input type="checkbox"/> NY Unrestricted Use<br><input type="checkbox"/> NYC Sewer Discharge   |  | Disposal Site Information<br>Please identify below location of applicable disposal facilities.<br>Disposal Facility:<br><input type="checkbox"/> NJ <input type="checkbox"/> NY<br><input type="checkbox"/> Other: |                                    | ANALYSIS<br>NY PFAAs via LMSMS Isotopic Dilution<br>Total Solids SM 2540   |    |  |                    |  |                    |   |                      |  |  |   |  |  |            |   |                                      |                      |                    |              |        |      |      |    |   |   |  |  |  |  |  |  |  |  |  |   |                    |                |        |      |      |    |   |   |  |  |  |  |  |  |  |  |  |
| These samples have been previously analyzed by Alpha <input type="checkbox"/><br>Other project specific requirements/comments:<br><b>Cont B deliverables</b><br>Please specify Metals or TAL.  |  | Sample Filtration<br><input type="checkbox"/> Done<br><input type="checkbox"/> Lab to do<br>Preservation<br><input type="checkbox"/> Lab to do<br>(Please Specify below)<br>Sample Specific Comments               |                                    | Total Bottles  |    |  |                    |  |                    |   |                      |  |  |   |  |  |            |   |                                      |                      |                    |              |        |      |      |    |   |   |  |  |  |  |  |  |  |  |  |   |                    |                |        |      |      |    |   |   |  |  |  |  |  |  |  |  |  |
| <table border="1"> <thead> <tr> <th rowspan="2">ALPHA Lab ID (Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="2">Collection</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">Sampler's Initials</th> <th rowspan="2">NY PFAAs via LMSMS Isotopic Dilution</th> <th rowspan="2">Total Solids SM 2540</th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> </tr> <tr> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td><b>L2223468-01</b></td> <td>SB011 (0-2)P</td> <td>5/5/22</td> <td>1210</td> <td>Soil</td> <td>LJ</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2</td> </tr> <tr> <td><b>L2223468-02</b></td> <td>SB011 (15-17)P</td> <td>5/5/22</td> <td>1410</td> <td>Soil</td> <td>LJ</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>low volume</td> <td>2</td> </tr> </tbody> </table> |  | ALPHA Lab ID (Lab Use Only)  | Sample ID                          |  |    | Collection   |                    | Sample Matrix  | Sampler's Initials | NY PFAAs via LMSMS Isotopic Dilution                      | Total Solids SM 2540 |  |  |   |  |  |            |   | Date                                 | Time                 | <b>L2223468-01</b> | SB011 (0-2)P | 5/5/22 | 1210 | Soil | LJ | X | X |  |  |  |  |  |  |  |  |  | 2 | <b>L2223468-02</b> | SB011 (15-17)P | 5/5/22 | 1410 | Soil | LJ | X | X |  |  |  |  |  |  |  |  |  |
| ALPHA Lab ID (Lab Use Only)  | Sample ID  |  |                                    | Collection   |    | Sample Matrix  | Sampler's Initials |  |                    |   |                      |  |  |   |  |  |            |   | NY PFAAs via LMSMS Isotopic Dilution | Total Solids SM 2540 |                    |              |        |      |      |    |   |   |  |  |  |  |  |  |  |  |  |   |                    |                |        |      |      |    |   |   |  |  |  |  |  |  |  |  |  |
|  |  | Date   | Time                               |  |    |  |                    |  |                    |   |                      |  |  |   |  |  |            |   |                                      |                      |                    |              |        |      |      |    |   |   |  |  |  |  |  |  |  |  |  |   |                    |                |        |      |      |    |   |   |  |  |  |  |  |  |  |  |  |
| <b>L2223468-01</b>   | SB011 (0-2)P   | 5/5/22   | 1210                               | Soil   | LJ | X  | X                  |  |                    |   |                      |  |  |   |  |  | 2          |   |                                      |                      |                    |              |        |      |      |    |   |   |  |  |  |  |  |  |  |  |  |   |                    |                |        |      |      |    |   |   |  |  |  |  |  |  |  |  |  |
| <b>L2223468-02</b>   | SB011 (15-17)P   | 5/5/22   | 1410                               | Soil   | LJ | X  | X                  |  |                    |   |                      |  |  |   |  |  | low volume | 2 |                                      |                      |                    |              |        |      |      |    |   |   |  |  |  |  |  |  |  |  |  |   |                    |                |        |      |      |    |   |   |  |  |  |  |  |  |  |  |  |
| Preservative Code:<br>A = None<br>B = HCl<br>C = HNO <sub>3</sub><br>D = H <sub>2</sub> SO <sub>4</sub><br>E = NaOH<br>F = MeOH<br>G = NaHSO <sub>4</sub><br>H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub><br>K/E = Zn Ac/NaOH<br>O = Other  |  | Container Code<br>P = Plastic<br>A = Amber Glass<br>V = Vial<br>G = Glass<br>B = Bacteria Cup<br>C = Cube<br>O = Other<br>E = Encore<br>D = BOD Bottle   |                                    | Westboro: Certification No: MA935<br>Mansfield: Certification No: MA015<br>Container Type: <b>P P</b><br>Preservative: <b>A A</b>  |    | Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.) |                    |  |                    |   |                      |  |  |   |  |  |            |   |                                      |                      |                    |              |        |      |      |    |   |   |  |  |  |  |  |  |  |  |  |   |                    |                |        |      |      |    |   |   |  |  |  |  |  |  |  |  |  |
| Relinquished By: <b>Lauren Jenkins</b><br>Date/Time: <b>5/5/22 15:51</b>   |  | Received By: <b>GJAC (AAL)</b><br>Date/Time: <b>5/5/22 15:57</b>   |                                    | Relinquished By: <b>GJAC</b><br>Date/Time: <b>5/5/22 18:00</b>   |    | Received By: <b>AAL</b><br>Date/Time: <b>5/5/22 19:30</b>  |                    | Relinquished By: <b>ZAKAAL</b><br>Date/Time: <b>5/5/22</b> |                    | Received By: <b>AWG</b><br>Date/Time: <b>5/5/22 20:30</b> |                      | Relinquished By: <b>DW</b><br>Date/Time: <b>5/5/22 23:30</b> |  | Received By: <b>A</b><br>Date/Time: <b>5/5/22 23:30</b> |  |  |            |   |                                      |                      |                    |              |        |      |      |    |   |   |  |  |  |  |  |  |  |  |  |   |                    |                |        |      |      |    |   |   |  |  |  |  |  |  |  |  |  |



## ANALYTICAL REPORT

|                 |  |
|-----------------|--|
| Lab Number:     | L2230539   |
| Client:         | Roux Env. Eng. & Geology, DPC<br>209 Shafter Street<br>Islandia, NY 11749-5074 |
| ATTN:           | Emily Butler   |
| Phone:          | (631) 630-2432   |
| Project Name:   | 40-40 NORTHERN BLVD  |
| Project Number: | 3883.0001Y000  |
| Report Date:    | 06/23/22   |

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Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

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320 Forbes Boulevard, Mansfield, MA 02048-1806  
508-822-9300 (Fax) 508-822-3288 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230539  
**Report Date:** 06/23/22

| <b>Alpha<br/>Sample ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Sample<br/>Location</b> | <b>Collection<br/>Date/Time</b> | <b>Receive Date</b> |
|----------------------------|------------------|---------------|----------------------------|---------------------------------|---------------------|
| L2230539-01                | SB019(0-2)P      | SOIL          | 40-40 NORTHERN BLVD        | 06/09/22 09:05                  | 06/09/22            |
| L2230539-02                | SB019(2-4)P      | SOIL          | 40-40 NORTHERN BLVD        | 06/09/22 09:15                  | 06/09/22            |
| L2230539-03                | SB018(0-2)P      | SOIL          | 40-40 NORTHERN BLVD        | 06/09/22 10:15                  | 06/09/22            |
| L2230539-04                | SB018(2-4)P      | SOIL          | 40-40 NORTHERN BLVD        | 06/09/22 10:25                  | 06/09/22            |
| L2230539-05                | SB020(0-2)P      | SOIL          | 40-40 NORTHERN BLVD        | 06/09/22 12:05                  | 06/09/22            |
| L2230539-06                | SB020(2-4)P      | SOIL          | 40-40 NORTHERN BLVD        | 06/09/22 12:15                  | 06/09/22            |
| L2230539-07                | DUP_060922P      | SOIL          | 40-40 NORTHERN BLVD        | 06/09/22 11:05                  | 06/09/22            |
| L2230539-08                | SB021(0-2)P      | SOIL          | 40-40 NORTHERN BLVD        | 06/09/22 14:05                  | 06/09/22            |
| L2230539-09                | SB021(2-4)P      | SOIL          | 40-40 NORTHERN BLVD        | 06/09/22 14:15                  | 06/09/22            |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230539  
**Report Date:** 06/23/22

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

**HOLD POLICY** - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

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**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230539  
**Report Date:** 06/23/22

### Case Narrative (continued)

#### Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Perfluorinated Alkyl Acids by Isotope Dilution


L2230539-08, -09, WG1651244-1, and WG1651244-2: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L2230539-08: The MeOH fraction of the extraction is reported for perfluorooctanesulfonamide (fosa) due to better extraction efficiency of the perfluoro[13c8]octanesulfonamide (m8fosa) Extracted Internal Standard.

The Extracted Internal Standard recovery for the WG1651244-2 LCS, associated with L2230539-01 through -09, is below the acceptance criteria (less than 10%) for perfluoro[13c8]octanesulfonamide (m8fosa) (6%); however, all associated target analytes are within LCS criteria; therefore, no further action was taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 06/23/22

# ORGANICS

# SEMIVOLATILES

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230539  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230539-01  
**Client ID:** SB019(0-2)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 09:05  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 06/20/22 16:51  
**Analyst:** RS  
**Percent Solids:** 90%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 06/16/22 07:45

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| <b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b> |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)   | 0.073  | J         | ng/g  | 0.536 | 0.024 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                       | ND     |           | ng/g  | 0.536 | 0.049 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                                   | ND     |           | ng/g  | 0.268 | 0.042 | 1               |
| Perfluorohexanoic Acid (PFHxA)  | ND     |           | ng/g  | 0.536 | 0.056 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                       | ND     |           | ng/g  | 0.268 | 0.048 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                                  | ND     |           | ng/g  | 0.268 | 0.065 | 1               |
| Perfluorooctanoic Acid (PFOA)   | ND     |           | ng/g  | 0.268 | 0.045 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                     | ND     |           | ng/g  | 0.536 | 0.192 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                                 | ND     |           | ng/g  | 0.536 | 0.146 | 1               |
| Perfluorononanoic Acid (PFNA)   | ND     |           | ng/g  | 0.268 | 0.080 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                                   | 0.848  |           | ng/g  | 0.268 | 0.139 | 1               |
| Perfluorodecanoic Acid (PFDA)   | ND     |           | ng/g  | 0.268 | 0.072 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                     | ND     |           | ng/g  | 0.536 | 0.307 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)             | ND     |           | ng/g  | 0.536 | 0.216 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                                      | ND     |           | ng/g  | 0.536 | 0.050 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                                   | ND     |           | ng/g  | 0.536 | 0.164 | 1               |
| Perfluorooctanesulfonamide (FOSA)                                     | ND     |           | ng/g  | 0.536 | 0.105 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)              | ND     |           | ng/g  | 0.536 | 0.091 | 1               |
| Perfluorododecanoic Acid (PFDoA)                                      | ND     |           | ng/g  | 0.536 | 0.075 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                                    | ND     |           | ng/g  | 0.536 | 0.219 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                                    | ND     |           | ng/g  | 0.536 | 0.058 | 1               |
| PFOA/PFOS, Total  | 0.848  |           | ng/g  | 0.268 | 0.045 | 1               |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230539  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230539-01  
 Client ID: SB019(0-2)P  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 09:05  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|----|-----|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |    |     |                 |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|--|------------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 88         |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 85         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 83         |           | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 85         |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 89         |           | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 91         |           | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 89         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 49         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 100        |           | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 89         |           | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 93         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 65         |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 88         |           | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 118        |           | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 15         |           | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 80         |           | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 109        |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 108        |           | 24-159              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230539  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230539-02  
**Client ID:** SB019(2-4)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 09:15  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 06/20/22 17:07  
**Analyst:** RS  
**Percent Solids:** 86%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 06/16/22 07:45

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| <b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b> |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)   | 0.068  | J         | ng/g  | 0.536 | 0.024 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                       | ND     |           | ng/g  | 0.536 | 0.049 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                                   | ND     |           | ng/g  | 0.268 | 0.042 | 1               |
| Perfluorohexanoic Acid (PFHxA)  | ND     |           | ng/g  | 0.536 | 0.056 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                       | ND     |           | ng/g  | 0.268 | 0.048 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                                  | ND     |           | ng/g  | 0.268 | 0.065 | 1               |
| Perfluorooctanoic Acid (PFOA)   | 0.053  | JF        | ng/g  | 0.268 | 0.045 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                     | ND     |           | ng/g  | 0.536 | 0.192 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                                 | ND     |           | ng/g  | 0.536 | 0.146 | 1               |
| Perfluorononanoic Acid (PFNA)   | ND     |           | ng/g  | 0.268 | 0.080 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                                   | 0.494  |           | ng/g  | 0.268 | 0.139 | 1               |
| Perfluorodecanoic Acid (PFDA)   | ND     |           | ng/g  | 0.268 | 0.072 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                     | ND     |           | ng/g  | 0.536 | 0.308 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)             | ND     |           | ng/g  | 0.536 | 0.216 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                                      | ND     |           | ng/g  | 0.536 | 0.050 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                                   | ND     |           | ng/g  | 0.536 | 0.164 | 1               |
| Perfluorooctanesulfonamide (FOSA)                                     | ND     |           | ng/g  | 0.536 | 0.105 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)              | 0.237  | J         | ng/g  | 0.536 | 0.091 | 1               |
| Perfluorododecanoic Acid (PFDoA)                                      | ND     |           | ng/g  | 0.536 | 0.075 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                                    | ND     |           | ng/g  | 0.536 | 0.219 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                                    | ND     |           | ng/g  | 0.536 | 0.058 | 1               |
| PFOA/PFOS, Total  | 0.547  | J         | ng/g  | 0.268 | 0.045 | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230539  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230539-02  
**Client ID:** SB019(2-4)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 09:15  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|----|-----|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |    |     |                 |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|--|------------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 98         |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 94         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 92         |           | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 87         |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 89         |           | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 100        |           | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 95         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 67         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 104        |           | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 100        |           | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 93         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 117        |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 71         |           | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 118        |           | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 42         |           | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 95         |           | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 113        |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 101        |           | 24-159              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230539  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230539-03  
**Client ID:** SB018(0-2)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 10:15  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 06/20/22 17:24  
**Analyst:** RS  
**Percent Solids:** 95%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 06/16/22 07:45

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| <b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b> |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)   | ND     |           | ng/g  | 0.497 | 0.023 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                       | ND     |           | ng/g  | 0.497 | 0.046 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                                   | ND     |           | ng/g  | 0.249 | 0.039 | 1               |
| Perfluorohexanoic Acid (PFHxA)  | ND     |           | ng/g  | 0.497 | 0.052 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                       | ND     |           | ng/g  | 0.249 | 0.045 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                                  | ND     |           | ng/g  | 0.249 | 0.060 | 1               |
| Perfluorooctanoic Acid (PFOA)   | 0.232  | J         | ng/g  | 0.249 | 0.042 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                     | ND     |           | ng/g  | 0.497 | 0.178 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                                 | ND     |           | ng/g  | 0.497 | 0.136 | 1               |
| Perfluorononanoic Acid (PFNA)   | ND     |           | ng/g  | 0.249 | 0.075 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                                   | 0.198  | J         | ng/g  | 0.249 | 0.129 | 1               |
| Perfluorodecanoic Acid (PFDA)   | ND     |           | ng/g  | 0.249 | 0.067 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                     | ND     |           | ng/g  | 0.497 | 0.286 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)             | ND     |           | ng/g  | 0.497 | 0.200 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                                      | ND     |           | ng/g  | 0.497 | 0.047 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                                   | ND     |           | ng/g  | 0.497 | 0.152 | 1               |
| Perfluorooctanesulfonamide (FOSA)                                     | ND     |           | ng/g  | 0.497 | 0.098 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)              | ND     |           | ng/g  | 0.497 | 0.084 | 1               |
| Perfluorododecanoic Acid (PFDoA)                                      | ND     |           | ng/g  | 0.497 | 0.070 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                                    | ND     |           | ng/g  | 0.497 | 0.203 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                                    | ND     |           | ng/g  | 0.497 | 0.054 | 1               |
| PFOA/PFOS, Total  | 0.430  | J         | ng/g  | 0.249 | 0.042 | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230539  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230539-03  
 Client ID: SB018(0-2)P  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 10:15  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|----|-----|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |    |     |                 |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|--|------------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 90         |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 86         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 87         |           | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 84         |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 88         |           | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 97         |           | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 86         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 46         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 90         |           | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 96         |           | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 83         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 53         |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 53         |           | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 109        |           | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 17         |           | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 67         |           | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 105        |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 107        |           | 24-159              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230539  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230539-04  
**Client ID:** SB018(2-4)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 10:25  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 06/20/22 18:14  
**Analyst:** RS  
**Percent Solids:** 94%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 06/16/22 07:45

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| <b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b> |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)   | ND     |           | ng/g  | 0.500 | 0.023 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                       | ND     |           | ng/g  | 0.500 | 0.046 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                                   | ND     |           | ng/g  | 0.250 | 0.039 | 1               |
| Perfluorohexanoic Acid (PFHxA)  | ND     |           | ng/g  | 0.500 | 0.053 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                       | ND     |           | ng/g  | 0.250 | 0.045 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                                  | ND     |           | ng/g  | 0.250 | 0.061 | 1               |
| Perfluorooctanoic Acid (PFOA)   | 0.107  | J         | ng/g  | 0.250 | 0.042 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                     | ND     |           | ng/g  | 0.500 | 0.180 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                                 | ND     |           | ng/g  | 0.500 | 0.137 | 1               |
| Perfluorononanoic Acid (PFNA)   | ND     |           | ng/g  | 0.250 | 0.075 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                                   | ND     |           | ng/g  | 0.250 | 0.130 | 1               |
| Perfluorodecanoic Acid (PFDA)   | ND     |           | ng/g  | 0.250 | 0.067 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                     | ND     |           | ng/g  | 0.500 | 0.287 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)             | ND     |           | ng/g  | 0.500 | 0.202 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                                      | ND     |           | ng/g  | 0.500 | 0.047 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                                   | ND     |           | ng/g  | 0.500 | 0.153 | 1               |
| Perfluorooctanesulfonamide (FOSA)                                     | ND     |           | ng/g  | 0.500 | 0.098 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)              | ND     |           | ng/g  | 0.500 | 0.085 | 1               |
| Perfluorododecanoic Acid (PFDoA)                                      | ND     |           | ng/g  | 0.500 | 0.070 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                                    | ND     |           | ng/g  | 0.500 | 0.205 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                                    | ND     |           | ng/g  | 0.500 | 0.054 | 1               |
| PFOA/PFOS, Total  | 0.107  | J         | ng/g  | 0.250 | 0.042 | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230539  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230539-04  
 Client ID: SB018(2-4)P  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 10:25  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|----|-----|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |    |     |                 |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|--|------------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 84         |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 80         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 88         |           | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 81         |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 83         |           | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 95         |           | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 79         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 44         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 84         |           | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 96         |           | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 82         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 51         |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 32         |           | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 113        |           | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 13         |           | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 45         |           | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 101        |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 105        |           | 24-159              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230539  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230539-05  
**Client ID:** SB020(0-2)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 12:05  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 06/20/22 18:30  
**Analyst:** RS  
**Percent Solids:** 94%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 06/16/22 07:45

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| <b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b> |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)   | ND     |           | ng/g  | 0.518 | 0.024 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                       | ND     |           | ng/g  | 0.518 | 0.048 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                                   | ND     |           | ng/g  | 0.259 | 0.040 | 1               |
| Perfluorohexanoic Acid (PFHxA)  | ND     |           | ng/g  | 0.518 | 0.054 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                       | ND     |           | ng/g  | 0.259 | 0.047 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                                  | ND     |           | ng/g  | 0.259 | 0.063 | 1               |
| Perfluorooctanoic Acid (PFOA)   | 0.178  | JF        | ng/g  | 0.259 | 0.043 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                     | ND     |           | ng/g  | 0.518 | 0.186 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                                 | ND     |           | ng/g  | 0.518 | 0.141 | 1               |
| Perfluorononanoic Acid (PFNA)   | ND     |           | ng/g  | 0.259 | 0.078 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                                   | 0.333  |           | ng/g  | 0.259 | 0.135 | 1               |
| Perfluorodecanoic Acid (PFDA)   | ND     |           | ng/g  | 0.259 | 0.069 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                     | ND     |           | ng/g  | 0.518 | 0.297 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)             | ND     |           | ng/g  | 0.518 | 0.209 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                                      | ND     |           | ng/g  | 0.518 | 0.049 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                                   | ND     |           | ng/g  | 0.518 | 0.158 | 1               |
| Perfluorooctanesulfonamide (FOSA)                                     | ND     |           | ng/g  | 0.518 | 0.102 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)              | ND     |           | ng/g  | 0.518 | 0.088 | 1               |
| Perfluorododecanoic Acid (PFDoA)                                      | ND     |           | ng/g  | 0.518 | 0.073 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                                    | ND     |           | ng/g  | 0.518 | 0.212 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                                    | ND     |           | ng/g  | 0.518 | 0.056 | 1               |
| PFOA/PFOS, Total  | 0.511  | J         | ng/g  | 0.259 | 0.043 | 1               |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230539  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230539-05  
 Client ID: SB020(0-2)P  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 12:05  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|----|-----|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |    |     |                 |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|--|------------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 93         |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 91         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 90         |           | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 89         |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 91         |           | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 100        |           | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 87         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 48         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 96         |           | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 95         |           | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 85         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 54         |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 78         |           | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 114        |           | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 25         |           | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 80         |           | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 103        |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 104        |           | 24-159              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230539  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230539-06  
**Client ID:** SB020(2-4)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 12:15  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 06/20/22 18:47  
**Analyst:** RS  
**Percent Solids:** 96%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 06/16/22 07:45

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| <b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b> |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)   | ND     |           | ng/g  | 0.502 | 0.023 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                       | ND     |           | ng/g  | 0.502 | 0.046 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                                   | ND     |           | ng/g  | 0.251 | 0.039 | 1               |
| Perfluorohexanoic Acid (PFHxA)  | ND     |           | ng/g  | 0.502 | 0.053 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                       | ND     |           | ng/g  | 0.251 | 0.045 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                                  | ND     |           | ng/g  | 0.251 | 0.061 | 1               |
| Perfluorooctanoic Acid (PFOA)   | ND     |           | ng/g  | 0.251 | 0.042 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                     | ND     |           | ng/g  | 0.502 | 0.180 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                                 | ND     |           | ng/g  | 0.502 | 0.137 | 1               |
| Perfluorononanoic Acid (PFNA)   | ND     |           | ng/g  | 0.251 | 0.075 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                                   | ND     |           | ng/g  | 0.251 | 0.131 | 1               |
| Perfluorodecanoic Acid (PFDA)   | ND     |           | ng/g  | 0.251 | 0.067 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                     | ND     |           | ng/g  | 0.502 | 0.288 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)             | ND     |           | ng/g  | 0.502 | 0.202 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                                      | ND     |           | ng/g  | 0.502 | 0.047 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                                   | ND     |           | ng/g  | 0.502 | 0.154 | 1               |
| Perfluorooctanesulfonamide (FOSA)                                     | ND     |           | ng/g  | 0.502 | 0.099 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)              | ND     |           | ng/g  | 0.502 | 0.085 | 1               |
| Perfluorododecanoic Acid (PFDoA)                                      | ND     |           | ng/g  | 0.502 | 0.070 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                                    | ND     |           | ng/g  | 0.502 | 0.205 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                                    | ND     |           | ng/g  | 0.502 | 0.054 | 1               |
| PFOA/PFOS, Total  | ND     |           | ng/g  | 0.251 | 0.042 | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230539  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230539-06  
 Client ID: SB020(2-4)P  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 12:15  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|----|-----|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |    |     |                 |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|--|------------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 88         |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 84         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 89         |           | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 84         |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 84         |           | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 97         |           | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 85         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 46         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 88         |           | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 96         |           | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 81         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 53         |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 58         |           | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 111        |           | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 19         |           | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 64         |           | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 103        |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 99         |           | 24-159              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230539  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230539-07  
**Client ID:** DUP\_060922P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 11:05  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 06/20/22 19:03  
**Analyst:** RS  
**Percent Solids:** 91%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 06/16/22 07:45

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| <b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b> |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)   | ND     |           | ng/g  | 0.526 | 0.024 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                       | ND     |           | ng/g  | 0.526 | 0.048 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                                   | ND     |           | ng/g  | 0.263 | 0.041 | 1               |
| Perfluorohexanoic Acid (PFHxA)  | ND     |           | ng/g  | 0.526 | 0.055 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                       | ND     |           | ng/g  | 0.263 | 0.047 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                                  | ND     |           | ng/g  | 0.263 | 0.064 | 1               |
| Perfluorooctanoic Acid (PFOA)   | 0.086  | JF        | ng/g  | 0.263 | 0.044 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                     | 0.706  |           | ng/g  | 0.526 | 0.189 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                                 | ND     |           | ng/g  | 0.526 | 0.144 | 1               |
| Perfluorononanoic Acid (PFNA)   | ND     |           | ng/g  | 0.263 | 0.079 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                                   | 0.244  | J         | ng/g  | 0.263 | 0.137 | 1               |
| Perfluorodecanoic Acid (PFDA)   | ND     |           | ng/g  | 0.263 | 0.070 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                     | ND     |           | ng/g  | 0.526 | 0.302 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)             | ND     |           | ng/g  | 0.526 | 0.212 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                                      | ND     |           | ng/g  | 0.526 | 0.049 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                                   | ND     |           | ng/g  | 0.526 | 0.161 | 1               |
| Perfluorooctanesulfonamide (FOSA)                                     | ND     |           | ng/g  | 0.526 | 0.103 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)              | ND     |           | ng/g  | 0.526 | 0.089 | 1               |
| Perfluorododecanoic Acid (PFDoA)                                      | ND     |           | ng/g  | 0.526 | 0.074 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                                    | ND     |           | ng/g  | 0.526 | 0.215 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                                    | ND     |           | ng/g  | 0.526 | 0.057 | 1               |
| PFOA/PFOS, Total  | 0.330  | J         | ng/g  | 0.263 | 0.044 | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230539  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230539-07  
 Client ID: DUP\_060922P  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 11:05  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|----|-----|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |    |     |                 |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|--|------------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 92         |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 88         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 92         |           | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 86         |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 89         |           | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 99         |           | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 86         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 50         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 92         |           | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 99         |           | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 87         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 52         |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 60         |           | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 116        |           | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 23         |           | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 73         |           | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 111        |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 114        |           | 24-159              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230539  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230539-08  
 Client ID: SB021(0-2)P  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 14:05  
 Date Received: 06/09/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 06/20/22 19:20  
 Analyst: RS  
 Percent Solids: 95%

Extraction Method: ALPHA 23528  
 Extraction Date: 06/16/22 07:45

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| <b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b> |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)   | ND     |           | ng/g  | 0.489 | 0.022 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                       | ND     |           | ng/g  | 0.489 | 0.045 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                                   | ND     |           | ng/g  | 0.244 | 0.038 | 1               |
| Perfluorohexanoic Acid (PFHxA)  | ND     |           | ng/g  | 0.489 | 0.051 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                       | ND     |           | ng/g  | 0.244 | 0.044 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                                  | ND     |           | ng/g  | 0.244 | 0.059 | 1               |
| Perfluorooctanoic Acid (PFOA)   | 0.124  | JF        | ng/g  | 0.244 | 0.041 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                     | 2.67   |           | ng/g  | 0.489 | 0.176 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                                 | ND     |           | ng/g  | 0.489 | 0.133 | 1               |
| Perfluorononanoic Acid (PFNA)   | ND     |           | ng/g  | 0.244 | 0.073 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                                   | 0.300  |           | ng/g  | 0.244 | 0.127 | 1               |
| Perfluorodecanoic Acid (PFDA)   | ND     |           | ng/g  | 0.244 | 0.066 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                     | ND     |           | ng/g  | 0.489 | 0.281 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)             | ND     |           | ng/g  | 0.489 | 0.197 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                                      | ND     |           | ng/g  | 0.489 | 0.046 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                                   | ND     |           | ng/g  | 0.489 | 0.150 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)              | ND     |           | ng/g  | 0.489 | 0.083 | 1               |
| Perfluorododecanoic Acid (PFDoA)                                      | ND     |           | ng/g  | 0.489 | 0.068 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                                    | ND     |           | ng/g  | 0.489 | 0.200 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                                    | ND     |           | ng/g  | 0.489 | 0.053 | 1               |
| PFOA/PFOS, Total  | 0.424  | J         | ng/g  | 0.244 | 0.041 | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230539  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230539-08  
 Client ID: SB021(0-2)P  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 14:05  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|----|-----|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |    |     |                 |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|--|------------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 83         |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 80         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 80         |           | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 79         |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 83         |           | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 89         |           | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 83         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 44         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 87         |           | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 86         |           | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | <b>74</b>  | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 55         |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 57         |           | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 105        |           | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 64         |           | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 104        |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 101        |           | 24-159              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230539  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230539-08  
 Client ID: SB021(0-2)P  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 14:05  
 Date Received: 06/09/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 06/22/22 18:16  
 Analyst: RS  
 Percent Solids: 95%

Extraction Method: ALPHA 23528  
 Extraction Date: 06/16/22 07:45

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

## Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

|                                   |    |  |      |       |       |   |
|-----------------------------------|----|--|------|-------|-------|---|
| Perfluorooctanesulfonamide (FOSA) | ND |  | ng/g | 0.489 | 0.096 | 1 |
|-----------------------------------|----|--|------|-------|-------|---|

| Surrogate (Extracted Internal Standard) | % Recovery | Qualifier | Acceptance Criteria |
|---|------------|-----------|---------------------|
|---|------------|-----------|---------------------|

|   |     |  |        |
|---|-----|--|--------|
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 104 |  | 10-117 |
|---|-----|--|--------|



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230539  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230539-09  
**Client ID:** SB021(2-4)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 14:15  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 06/20/22 19:36  
**Analyst:** RS  
**Percent Solids:** 94%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 06/16/22 07:45

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| <b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b> |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)   | ND     |           | ng/g  | 0.501 | 0.023 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                       | ND     |           | ng/g  | 0.501 | 0.046 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                                   | ND     |           | ng/g  | 0.251 | 0.039 | 1               |
| Perfluorohexanoic Acid (PFHxA)  | ND     |           | ng/g  | 0.501 | 0.053 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                       | ND     |           | ng/g  | 0.251 | 0.045 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                                  | ND     |           | ng/g  | 0.251 | 0.061 | 1               |
| Perfluorooctanoic Acid (PFOA)   | ND     |           | ng/g  | 0.251 | 0.042 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                     | 0.280  | J         | ng/g  | 0.501 | 0.180 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                                 | ND     |           | ng/g  | 0.501 | 0.137 | 1               |
| Perfluorononanoic Acid (PFNA)   | ND     |           | ng/g  | 0.251 | 0.075 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                                   | 0.234  | J         | ng/g  | 0.251 | 0.130 | 1               |
| Perfluorodecanoic Acid (PFDA)   | ND     |           | ng/g  | 0.251 | 0.067 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                     | ND     |           | ng/g  | 0.501 | 0.288 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)             | ND     |           | ng/g  | 0.501 | 0.202 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                                      | ND     |           | ng/g  | 0.501 | 0.047 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                                   | ND     |           | ng/g  | 0.501 | 0.153 | 1               |
| Perfluorooctanesulfonamide (FOSA)                                     | ND     |           | ng/g  | 0.501 | 0.098 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)              | ND     |           | ng/g  | 0.501 | 0.085 | 1               |
| Perfluorododecanoic Acid (PFDoA)                                      | ND     |           | ng/g  | 0.501 | 0.070 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                                    | ND     |           | ng/g  | 0.501 | 0.205 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                                    | ND     |           | ng/g  | 0.501 | 0.054 | 1               |
| PFOA/PFOS, Total  | 0.234  | J         | ng/g  | 0.251 | 0.042 | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230539  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230539-09  
 Client ID: SB021(2-4)P  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 14:15  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|----|-----|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |    |     |                 |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|--|------------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 76         |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 73         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 81         |           | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 78         |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 79         |           | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 86         |           | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 78         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 39         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 85         |           | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 81         |           | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | <b>73</b>  | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 50         |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | <b>27</b>  | Q         | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 99         |           | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 11         |           | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | <b>28</b>  | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 94         |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 79         |           | 24-159              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230539  
**Report Date:** 06/23/22

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 06/20/22 16:18  
**Analyst:** RS

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 06/16/22 07:45

| Parameter  | Result | Qualifier | Units | RL    | MDL   |
|--|--------|-----------|-------|-------|-------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-09 Batch: WG1651244-1 |        |           |       |       |       |
| Perfluorobutanoic Acid (PFBA)  | ND     |           | ng/g  | 0.500 | 0.023 |
| Perfluoropentanoic Acid (PFPeA)  | ND     |           | ng/g  | 0.500 | 0.046 |
| Perfluorobutanesulfonic Acid (PFBS)  | ND     |           | ng/g  | 0.250 | 0.039 |
| Perfluorohexanoic Acid (PFHxA)   | ND     |           | ng/g  | 0.500 | 0.053 |
| Perfluoroheptanoic Acid (PFHpA)  | ND     |           | ng/g  | 0.250 | 0.045 |
| Perfluorohexanesulfonic Acid (PFHxS)   | ND     |           | ng/g  | 0.250 | 0.061 |
| Perfluorooctanoic Acid (PFOA)  | ND     |           | ng/g  | 0.250 | 0.042 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)  | ND     |           | ng/g  | 0.500 | 0.180 |
| Perfluoroheptanesulfonic Acid (PFHpS)  | ND     |           | ng/g  | 0.500 | 0.136 |
| Perfluorononanoic Acid (PFNA)  | ND     |           | ng/g  | 0.250 | 0.075 |
| Perfluorooctanesulfonic Acid (PFOS)  | ND     |           | ng/g  | 0.250 | 0.130 |
| Perfluorodecanoic Acid (PFDA)  | ND     |           | ng/g  | 0.250 | 0.067 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)  | ND     |           | ng/g  | 0.500 | 0.287 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)  | ND     |           | ng/g  | 0.500 | 0.202 |
| Perfluoroundecanoic Acid (PFUnA)   | ND     |           | ng/g  | 0.500 | 0.047 |
| Perfluorodecanesulfonic Acid (PFDS)  | ND     |           | ng/g  | 0.500 | 0.153 |
| Perfluorooctanesulfonamide (FOSA)  | ND     |           | ng/g  | 0.500 | 0.098 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)   | ND     |           | ng/g  | 0.500 | 0.085 |
| Perfluorododecanoic Acid (PFDoA)   | ND     |           | ng/g  | 0.500 | 0.070 |
| Perfluorotridecanoic Acid (PFTrDA)   | ND     |           | ng/g  | 0.500 | 0.204 |
| Perfluorotetradecanoic Acid (PFTA)   | ND     |           | ng/g  | 0.500 | 0.054 |
| PFOA/PFOS, Total   | ND     |           | ng/g  | 0.250 | 0.042 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230539  
**Report Date:** 06/23/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 134,LCMSMS-ID  
Analytical Date: 06/20/22 16:18  
Analyst: RS

Extraction Method: ALPHA 23528  
Extraction Date: 06/16/22 07:45

| Parameter  | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|----|-----|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-09 Batch: WG1651244-1 |        |           |       |    |     |

| Surrogate (Extracted Internal Standard)                                | %Recovery | Qualifier | Acceptance Criteria |
|--|-----------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 38        | Q         | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 41        | Q         | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 63        | Q         | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 45        | Q         | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 48        | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 69        | Q         | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 52        | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 30        |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 56        | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 61        | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 52        | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 35        |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 48        |           | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 71        |           | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 15        |           | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 53        |           | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 66        |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 40        |           | 24-159              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230539  
**Report Date:** 06/23/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 134,LCMSMS-ID  
Analytical Date: 06/22/22 14:36  
Analyst: RS

Extraction Method: ALPHA 23528  
Extraction Date: 06/16/22 07:45

| Parameter  | Result | Qualifier | Units | RL    | MDL   |
|--|--------|-----------|-------|-------|-------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-09 Batch: WG1651244-1 |        |           |       |       |       |
| Perfluorooctanesulfonamide (FOSA)  | ND     |           | ng/g  | 0.500 | 0.098 |

| Surrogate (Extracted Internal Standard)   | %Recovery | Qualifier | Acceptance Criteria |
|---|-----------|-----------|---------------------|
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 113       |           | 10-117              |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230539

Project Number: 3883.0001Y000

Report Date: 06/23/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-09 Batch: WG1651244-2 |                  |      |                   |      |                     |     |      |               |
| Perfluorobutanoic Acid (PFBA)   | 92               |      | -                 |      | 71-135              | -   |      | 30            |
| Perfluoropentanoic Acid (PFPeA)   | 94               |      | -                 |      | 69-132              | -   |      | 30            |
| Perfluorobutanesulfonic Acid (PFBS)   | 89               |      | -                 |      | 72-128              | -   |      | 30            |
| Perfluorohexanoic Acid (PFHxA)  | 92               |      | -                 |      | 70-132              | -   |      | 30            |
| Perfluoroheptanoic Acid (PFHpA)   | 91               |      | -                 |      | 71-131              | -   |      | 30            |
| Perfluorohexanesulfonic Acid (PFHxS)  | 102              |      | -                 |      | 67-130              | -   |      | 30            |
| Perfluorooctanoic Acid (PFOA)   | 105              |      | -                 |      | 69-133              | -   |      | 30            |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)   | 97               |      | -                 |      | 64-140              | -   |      | 30            |
| Perfluoroheptanesulfonic Acid (PFHpS)   | 111              |      | -                 |      | 70-132              | -   |      | 30            |
| Perfluorononanoic Acid (PFNA)   | 99               |      | -                 |      | 72-129              | -   |      | 30            |
| Perfluorooctanesulfonic Acid (PFOS)   | 113              |      | -                 |      | 68-136              | -   |      | 30            |
| Perfluorodecanoic Acid (PFDA)   | 90               |      | -                 |      | 69-133              | -   |      | 30            |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)   | 112              |      | -                 |      | 65-137              | -   |      | 30            |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)   | 107              |      | -                 |      | 63-144              | -   |      | 30            |
| Perfluoroundecanoic Acid (PFUnA)  | 103              |      | -                 |      | 64-136              | -   |      | 30            |
| Perfluorodecanesulfonic Acid (PFDS)   | 83               |      | -                 |      | 59-134              | -   |      | 30            |
| Perfluorooctanesulfonamide (FOSA)   | 113              |      | -                 |      | 67-137              | -   |      | 30            |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)  | 93               |      | -                 |      | 61-139              | -   |      | 30            |
| Perfluorododecanoic Acid (PFDoA)  | 90               |      | -                 |      | 69-135              | -   |      | 30            |
| Perfluorotridecanoic Acid (PFTrDA)  | 87               |      | -                 |      | 66-139              | -   |      | 30            |
| Perfluorotetradecanoic Acid (PFTA)  | 104              |      | -                 |      | 69-133              | -   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230539

Project Number: 3883.0001Y000

Report Date: 06/23/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-09 Batch: WG1651244-2 |                  |      |                   |      |                     |     |      |               |

| Surrogate (Extracted Internal Standard)                                | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|--|------------------|------|-------------------|------|------------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 43               | Q    |                   |      | 61-135                 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 44               | Q    |                   |      | 58-150                 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 59               | Q    |                   |      | 74-139                 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 50               | Q    |                   |      | 66-128                 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 55               | Q    |                   |      | 71-129                 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 62               | Q    |                   |      | 78-139                 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 54               | Q    |                   |      | 75-130                 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 30               |      |                   |      | 20-154                 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 59               | Q    |                   |      | 72-140                 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 54               | Q    |                   |      | 79-136                 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 54               | Q    |                   |      | 75-130                 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 28               |      |                   |      | 19-175                 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 32               |      |                   |      | 31-134                 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 71               |      |                   |      | 61-155                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 6                | Q    |                   |      | 10-117                 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 41               |      |                   |      | 34-137                 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 64               |      |                   |      | 54-150                 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 37               |      |                   |      | 24-159                 |

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230539  
**Report Date:** 06/23/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-09 Batch: WG1651244-2 |                  |      |                   |      |                     |     |      |               |
| Perfluorooctanesulfonamide (FOSA)   | 116              |      | -                 |      | 67-137              | -   |      | 30            |

| <b>Surrogate (Extracted Internal Standard)</b> | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|--|------------------|------|-------------------|------|------------------------|
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)      | 114              |      |                   |      | 10-117                 |



## Matrix Spike Analysis

### Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2230539

**Project Number:** 3883.0001Y000

**Report Date:** 06/23/22

| Parameter  | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|--|---------------|----------|----------|--------------|------|-----------|---------------|------|-----------------|-----|------|------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG1651244-3 WG1651244-4 QC Sample: L2230539-03<br>Client ID: SB018(0-2)P |               |          |          |              |      |           |               |      |                 |     |      |            |
| Perfluorobutanoic Acid (PFBA)  | ND            | 4.97     | 4.59     | 92           |      | 4.52      | 91            |      | 71-135          | 2   |      | 30         |
| Perfluoropentanoic Acid (PFPeA)  | ND            | 4.97     | 4.60     | 93           |      | 4.50      | 91            |      | 69-132          | 2   |      | 30         |
| Perfluorobutanesulfonic Acid (PFBS)  | ND            | 4.42     | 3.91     | 89           |      | 3.97      | 90            |      | 72-128          | 2   |      | 30         |
| Perfluorohexanoic Acid (PFHxA)   | ND            | 4.97     | 4.54     | 91           |      | 4.53      | 92            |      | 70-132          | 0   |      | 30         |
| Perfluoroheptanoic Acid (PFHpA)  | ND            | 4.97     | 4.61     | 93           |      | 4.45      | 90            |      | 71-131          | 4   |      | 30         |
| Perfluorohexanesulfonic Acid (PFHxS)   | ND            | 4.55     | 4.66     | 102          |      | 4.58      | 101           |      | 67-130          | 2   |      | 30         |
| Perfluorooctanoic Acid (PFOA)  | 0.232J        | 4.97     | 5.33     | 102          |      | 5.57      | 108           |      | 69-133          | 4   |      | 30         |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)  | ND            | 4.74     | 4.45     | 94           |      | 4.58      | 97            |      | 64-140          | 3   |      | 30         |
| Perfluoroheptanesulfonic Acid (PFHpS)  | ND            | 4.74     | 4.71     | 99           |      | 4.93      | 104           |      | 70-132          | 5   |      | 30         |
| Perfluorononanoic Acid (PFNA)  | ND            | 4.97     | 4.85     | 98           |      | 4.85      | 98            |      | 72-129          | 0   |      | 30         |
| Perfluorooctanesulfonic Acid (PFOS)  | 0.198J        | 4.62     | 4.99     | 104          |      | 5.26      | 110           |      | 68-136          | 5   |      | 30         |
| Perfluorodecanoic Acid (PFDA)  | ND            | 4.97     | 4.87     | 98           |      | 4.78      | 97            |      | 69-133          | 2   |      | 30         |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)  | ND            | 4.78     | 3.85     | 81           |      | 4.35      | 92            |      | 65-137          | 12  |      | 30         |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)  | ND            | 4.97     | 4.77     | 96           |      | 4.04      | 82            |      | 63-144          | 17  |      | 30         |
| Perfluoroundecanoic Acid (PFUnA)   | ND            | 4.97     | 5.08     | 102          |      | 5.09      | 103           |      | 64-136          | 0   |      | 30         |
| Perfluorodecanesulfonic Acid (PFDS)  | ND            | 4.8      | 4.37     | 91           |      | 4.37      | 91            |      | 59-134          | 0   |      | 30         |
| Perfluorooctanesulfonamide (FOSA)  | ND            | 4.97     | 4.65F    | 94           |      | 4.85      | 98            |      | 67-137          | 4   |      | 30         |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)   | ND            | 4.97     | 4.13     | 83           |      | 4.34      | 88            |      | 61-139          | 5   |      | 30         |
| Perfluorododecanoic Acid (PFDoA)   | ND            | 4.97     | 4.49     | 90           |      | 4.33      | 88            |      | 69-135          | 4   |      | 30         |
| Perfluorotridecanoic Acid (PFTrDA)   | ND            | 4.97     | 4.34     | 87           |      | 4.13      | 83            |      | 66-139          | 5   |      | 30         |
| Perfluorotetradecanoic Acid (PFTA)   | ND            | 4.97     | 4.39     | 88           |      | 4.71      | 95            |      | 69-133          | 7   |      | 30         |

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2230539

**Project Number:** 3883.0001Y000

**Report Date:** 06/23/22

| <i>Parameter</i> | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|------------------|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
|------------------|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG1651244-3 WG1651244-4 QC Sample: L2230539-03  
Client ID: SB018(0-2)P

| <i>Surrogate (Extracted Internal Standard)</i>                         | <i>MS</i>         |                  | <i>MSD</i>        |                  | <i>Acceptance Criteria</i> |
|--|-------------------|------------------|-------------------|------------------|----------------------------|
|  | <i>% Recovery</i> | <i>Qualifier</i> | <i>% Recovery</i> | <i>Qualifier</i> |                            |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 72                |                  | 61                |                  | 19-175                     |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 50                |                  | 49                |                  | 20-154                     |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 71                |                  | 67                |                  | 34-137                     |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 53                |                  | 60                |                  | 31-134                     |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 113               |                  | 110               |                  | 61-155                     |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 85                |                  | 84                |                  | 75-130                     |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 86                |                  | 84                |                  | 66-128                     |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 84                |                  | 87                |                  | 71-129                     |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 95                |                  | 95                |                  | 78-139                     |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 111               |                  | 103               |                  | 54-150                     |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 120               |                  | 111               |                  | 24-159                     |
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 89                |                  | 91                |                  | 61-135                     |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 85                |                  | 88                |                  | 58-150                     |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 38                |                  | 33                |                  | 10-117                     |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 95                |                  | 90                |                  | 79-136                     |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 83                |                  | 81                |                  | 75-130                     |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 90                |                  | 89                |                  | 72-140                     |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 88                |                  | 88                |                  | 74-139                     |

# **INORGANICS & MISCELLANEOUS**

Project Name: 40-40 NORTHERN BLVD

Project Number: 3883.0001Y000

Lab Number: L2230539

Report Date: 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230539-01

Client ID: SB019(0-2)P

Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 09:05

Date Received: 06/09/22

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter                                | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|---------------|----------------|-------------------|---------|
| <b>General Chemistry - Mansfield Lab</b> |        |           |       |       |       |                 |               |                |                   |         |
| Solids, Total                            | 90.4   |           | %     | 0.100 | 0.100 | 1               | -             | 06/13/22 13:01 | 121,2540G         | SK      |



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230539

Project Number: 3883.0001Y000

Report Date: 06/23/22

## SAMPLE RESULTS

Lab ID: L2230539-02

Date Collected: 06/09/22 09:15

Client ID: SB019(2-4)P

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared | Date Analyzed  | Analytical Method | Analyst |
|-----------------------------------|--------|-----------|-------|-------|-------|-----------------|---------------|----------------|-------------------|---------|
| General Chemistry - Mansfield Lab |        |           |       |       |       |                 |               |                |                   |         |
| Solids, Total                     | 86.4   |           | %     | 0.100 | 0.100 | 1               | -             | 06/13/22 13:01 | 121,2540G         | SK      |



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230539

Project Number: 3883.0001Y000

Report Date: 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230539-03

Date Collected: 06/09/22 10:15

Client ID: SB018(0-2)P

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter                                | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|--|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------------|---------|
| <b>General Chemistry - Mansfield Lab</b> |        |           |       |       |       |                    |                  |                  |                      |         |
| Solids, Total                            | 94.6   |           | %     | 0.100 | 0.100 | 1                  | -                | 06/13/22 13:01   | 121,2540G            | SK      |



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230539

Project Number: 3883.0001Y000

Report Date: 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230539-04

Date Collected: 06/09/22 10:25

Client ID: SB018(2-4)P

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter                                | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|--|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------------|---------|
| <b>General Chemistry - Mansfield Lab</b> |        |           |       |       |       |                    |                  |                  |                      |         |
| Solids, Total                            | 93.8   |           | %     | 0.100 | 0.100 | 1                  | -                | 06/13/22 13:01   | 121,2540G            | SK      |



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230539

Project Number: 3883.0001Y000

Report Date: 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230539-05

Date Collected: 06/09/22 12:05

Client ID: SB020(0-2)P

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter                                | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|--|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------------|---------|
| <b>General Chemistry - Mansfield Lab</b> |        |           |       |       |       |                    |                  |                  |                      |         |
| Solids, Total                            | 93.9   |           | %     | 0.100 | 0.100 | 1                  | -                | 06/13/22 13:01   | 121,2540G            | SK      |





Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230539

Project Number: 3883.0001Y000

Report Date: 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230539-06

Date Collected: 06/09/22 12:15

Client ID: SB020(2-4)P

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter                                | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|--|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------------|---------|
| <b>General Chemistry - Mansfield Lab</b> |        |           |       |       |       |                    |                  |                  |                      |         |
| Solids, Total                            | 95.7   |           | %     | 0.100 | 0.100 | 1                  | -                | 06/13/22 13:01   | 121,2540G            | SK      |



Project Name: 40-40 NORTHERN BLVD

Project Number: 3883.0001Y000

Lab Number: L2230539

Report Date: 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230539-07

Client ID: DUP\_060922P

Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 11:05

Date Received: 06/09/22

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter                                | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|--|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------------|---------|
| <b>General Chemistry - Mansfield Lab</b> |        |           |       |       |       |                    |                  |                  |                      |         |
| Solids, Total                            | 91.0   |           | %     | 0.100 | 0.100 | 1                  | -                | 06/13/22 13:01   | 121,2540G            | SK      |



Project Name: 40-40 NORTHERN BLVD

Project Number: 3883.0001Y000

Lab Number: L2230539

Report Date: 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230539-08

Client ID: SB021(0-2)P

Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 14:05

Date Received: 06/09/22

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter                                | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|---------------|----------------|-------------------|---------|
| <b>General Chemistry - Mansfield Lab</b> |        |           |       |       |       |                 |               |                |                   |         |
| Solids, Total                            | 94.7   |           | %     | 0.100 | 0.100 | 1               | -             | 06/13/22 13:01 | 121,2540G         | SK      |



Project Name: 40-40 NORTHERN BLVD

Project Number: 3883.0001Y000

Lab Number: L2230539

Report Date: 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230539-09

Client ID: SB021(2-4)P

Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 14:15

Date Received: 06/09/22

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter                                | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|--|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------------|---------|
| <b>General Chemistry - Mansfield Lab</b> |        |           |       |       |       |                    |                  |                  |                      |         |
| Solids, Total                            | 94.1   |           | %     | 0.100 | 0.100 | 1                  | -                | 06/13/22 13:01   | 121,2540G            | SK      |



## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 40-40 NORTHERN BLVD

Project Number: 3883.0001Y000

Lab Number: L2230539

Report Date: 06/23/22

| Parameter  | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|--|---------------|------------------|-------|-----|------|------------|
| General Chemistry - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG1649900-1 QC Sample: L2230539-06 Client ID: SB020(2-4)P |               |                  |       |     |      |            |
| Solids, Total  | 95.7          | 95.8             | %     | 0   |      | 10         |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2230539**Project Number:** 3883.0001Y000**Report Date:** 06/23/22**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

| <b>Cooler</b> | <b>Custody Seal</b> |
|---------------|---------------------|
| A             | Absent              |

**Container Information**

| <b>Container ID</b> | <b>Container Type</b>          | <b>Cooler</b> | <b>Initial pH</b> | <b>Final pH</b> | <b>Temp deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen Date/Time</b> | <b>Analysis(*)</b>    |
|---------------------|--------------------------------|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|-----------------------|
| L2230539-01A        | Plastic 8oz unpreserved        | A             | NA                |                 | 4.3               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14) |
| L2230539-01B        | Plastic 2oz unpreserved for TS | A             | NA                |                 | 4.3               | Y           | Absent      |                         | A2-TS(7)              |
| L2230539-02A        | Plastic 8oz unpreserved        | A             | NA                |                 | 4.3               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14) |
| L2230539-02B        | Plastic 2oz unpreserved for TS | A             | NA                |                 | 4.3               | Y           | Absent      |                         | A2-TS(7)              |
| L2230539-03A        | Plastic 8oz unpreserved        | A             | NA                |                 | 4.3               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14) |
| L2230539-03B        | Plastic 8oz unpreserved        | A             | NA                |                 | 4.3               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14) |
| L2230539-03C        | Plastic 8oz unpreserved        | A             | NA                |                 | 4.3               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14) |
| L2230539-03D        | Plastic 2oz unpreserved for TS | A             | NA                |                 | 4.3               | Y           | Absent      |                         | A2-TS(7)              |
| L2230539-03E        | Plastic 2oz unpreserved for TS | A             | NA                |                 | 4.3               | Y           | Absent      |                         | A2-TS(7)              |
| L2230539-03F        | Plastic 2oz unpreserved for TS | A             | NA                |                 | 4.3               | Y           | Absent      |                         | A2-TS(7)              |
| L2230539-04A        | Plastic 8oz unpreserved        | A             | NA                |                 | 4.3               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14) |
| L2230539-04B        | Plastic 2oz unpreserved for TS | A             | NA                |                 | 4.3               | Y           | Absent      |                         | A2-TS(7)              |
| L2230539-05A        | Plastic 8oz unpreserved        | A             | NA                |                 | 4.3               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14) |
| L2230539-05B        | Plastic 2oz unpreserved for TS | A             | NA                |                 | 4.3               | Y           | Absent      |                         | A2-TS(7)              |
| L2230539-06A        | Plastic 8oz unpreserved        | A             | NA                |                 | 4.3               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14) |
| L2230539-06B        | Plastic 2oz unpreserved for TS | A             | NA                |                 | 4.3               | Y           | Absent      |                         | A2-TS(7)              |
| L2230539-07A        | Plastic 8oz unpreserved        | A             | NA                |                 | 4.3               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14) |
| L2230539-07B        | Plastic 2oz unpreserved for TS | A             | NA                |                 | 4.3               | Y           | Absent      |                         | A2-TS(7)              |
| L2230539-08A        | Plastic 8oz unpreserved        | A             | NA                |                 | 4.3               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14) |
| L2230539-08B        | Plastic 2oz unpreserved for TS | A             | NA                |                 | 4.3               | Y           | Absent      |                         | A2-TS(7)              |
| L2230539-09A        | Plastic 8oz unpreserved        | A             | NA                |                 | 4.3               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14) |
| L2230539-09B        | Plastic 2oz unpreserved for TS | A             | NA                |                 | 4.3               | Y           | Absent      |                         | A2-TS(7)              |

Project Name: 40-40 NORTHERN BLVD

Project Number: 3883.0001Y000

Serial\_No:06232213:48  
Lab Number: L2230539

Report Date: 06/23/22

## PFAS PARAMETER SUMMARY

| Parameter   | Acronym      | CAS Number  |
|---|--------------|-------------|
| <b>PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)</b>                          |              |             |
| Perfluorooctadecanoic Acid  | PFODA        | 16517-11-6  |
| Perfluorohexadecanoic Acid  | PFHxDA       | 67905-19-5  |
| Perfluorotetradecanoic Acid   | PFTA         | 376-06-7    |
| Perfluorotridecanoic Acid   | PFTrDA       | 72629-94-8  |
| Perfluorododecanoic Acid  | PFDoA        | 307-55-1    |
| Perfluoroundecanoic Acid  | PFUnA        | 2058-94-8   |
| Perfluorodecanoic Acid  | PFDA         | 335-76-2    |
| Perfluorononanoic Acid  | PFNA         | 375-95-1    |
| Perfluorooctanoic Acid  | PFOA         | 335-67-1    |
| Perfluoroheptanoic Acid   | PFHpA        | 375-85-9    |
| Perfluorohexanoic Acid  | PFHxA        | 307-24-4    |
| Perfluoropentanoic Acid   | PFPeA        | 2706-90-3   |
| Perfluorobutanoic Acid  | PFBA         | 375-22-4    |
| <b>PERFLUOROALKYL SULFONIC ACIDS (PFSAs)</b>                            |              |             |
| Perfluorododecanesulfonic Acid  | PFDoDS       | 79780-39-5  |
| Perfluorodecanesulfonic Acid  | PFDS         | 335-77-3    |
| Perfluorononanesulfonic Acid  | PFNS         | 68259-12-1  |
| Perfluorooctanesulfonic Acid  | PFOS         | 1763-23-1   |
| Perfluoroheptanesulfonic Acid   | PFHpS        | 375-92-8    |
| Perfluorohexanesulfonic Acid  | PFHxS        | 355-46-4    |
| Perfluoropentanesulfonic Acid   | PFPeS        | 2706-91-4   |
| Perfluorobutanesulfonic Acid  | PFBS         | 375-73-5    |
| <b>FLUOROTELOMERS</b>   |              |             |
| 1H,1H,2H,2H-Perfluorododecanesulfonic Acid                              | 10:2FTS      | 120226-60-0 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid                                | 8:2FTS       | 39108-34-4  |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid                                | 6:2FTS       | 27619-97-2  |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid                                | 4:2FTS       | 757124-72-4 |
| <b>PERFLUOROALKANE SULFONAMIDES (FASAs)</b>                             |              |             |
| Perfluorooctanesulfonamide  | FOSA         | 754-91-6    |
| N-Ethyl Perfluorooctane Sulfonamide                                     | NEtFOSA      | 4151-50-2   |
| N-Methyl Perfluorooctane Sulfonamide                                    | NMeFOSA      | 31506-32-8  |
| <b>PERFLUOROALKANE SULFONYL SUBSTANCES</b>                              |              |             |
| N-Ethyl Perfluorooctanesulfonamido Ethanol                              | NEtFOSE      | 1691-99-2   |
| N-Methyl Perfluorooctanesulfonamido Ethanol                             | NMeFOSE      | 24448-09-7  |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid                           | NEtFOSAA     | 2991-50-6   |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid                          | NMeFOSAA     | 2355-31-9   |
| <b>PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS</b>                  |              |             |
| 2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid | HFPO-DA      | 13252-13-6  |
| 4,8-Dioxa-3h-Perfluorononanoic Acid                                     | ADONA        | 919005-14-4 |
| <b>CHLORO-PERFLUOROALKYL SULFONIC ACIDS</b>                             |              |             |
| 11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid                      | 11Cl-PF3OUdS | 763051-92-9 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid                        | 9Cl-PF3ONS   | 756426-58-1 |
| <b>PERFLUOROETHER SULFONIC ACIDS (PFESAs)</b>                           |              |             |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid                                  | PFEEESA      | 113507-82-7 |
| <b>PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)</b>               |              |             |
| Perfluoro-3-Methoxypropanoic Acid                                       | PFMPA        | 377-73-1    |
| Perfluoro-4-Methoxybutanoic Acid  | PFMBA        | 863090-89-5 |
| Nonafluoro-3,6-Dioxaheptanoic Acid                                      | NFDHA        | 151772-58-6 |

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## GLOSSARY

### Acronyms

|          |  |
|----------|--|
| DL       | - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  |
| EDL      | - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).   |
| EMPC     | - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.   |
| EPA      | - Environmental Protection Agency.   |
| LCS      | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.  |
| LCSD     | - Laboratory Control Sample Duplicate: Refer to LCS.   |
| LFB      | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.   |
| LOD      | - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)   |
| LOQ      | - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)<br><br>Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) |
| MDL      | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.  |
| MS       | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.  |
| MSD      | - Matrix Spike Sample Duplicate: Refer to MS.  |
| NA       | - Not Applicable.  |
| NC       | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.   |
| NDPA/DPA | - N-Nitrosodiphenylamine/Diphenylamine.  |
| NI       | - Not Ignitable.   |
| NP       | - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.  |
| NR       | - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.  |
| RL       | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.   |
| RPD      | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.  |
| SRM      | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.   |
| STLP     | - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.  |
| TEF      | - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.   |
| TEQ      | - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.  |
| TIC      | - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.  |

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### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Chlordane:** The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Gasoline Range Organics (GRO):** Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

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#### **Data Qualifiers**

Identified Compounds (TICs).

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

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**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230539  
**Report Date:** 06/23/22

## REFERENCES

- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

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The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 625/625.1:** alpha-Terpineol

**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**Biological Tissue Matrix:** EPA 3050B

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The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LCHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

**SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

**EPA 522, EPA 537.1.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.


**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1 Hg.**

**SM2340B**

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For a complete listing of analytes and methods, please contact your Alpha Project Manager.

|   |   |   |                                     |  |  |
|---|---|---|-------------------------------------|--|--|
| <br><b>NEW YORK CHAIN OF CUSTODY</b>  | <b>Service Centers</b><br>Mahwah, NJ 07430: 35 Whitney Rd, Suite 5<br>Albany, NY 12205: 14 Walker Way<br>Tonawanda, NY 14150: 275 Cooper Ave, Suite 105 | Page 1  | Date Rec'd in Lab<br><b>6/10/22</b> | ALPHA Job #<br><b>L2230539</b>   |  |
|   |   | of 1  |                                     |  |  |
| Westborough, MA 01581<br>8 Walkup Dr.<br>TEL: 508-898-9220<br>FAX: 508-898-9193   | Mansfield, MA 02048<br>320 Forbes Blvd<br>TEL: 508-822-9300<br>FAX: 508-822-3288  | <b>Project Information</b>  |                                     | <b>Deliverables</b>  |  |
| <b>Client Information</b>   |   | <b>Regulatory Requirement</b>   |                                     | <b>Billing Information</b>   |  |
| Client: <b>ROXX</b><br>Address: <b>209 Shafter St</b><br><b>Islandia NY 11749</b><br>Phone: <b>631-232-2600</b><br>Fax:<br>Email: <b>ebutler@roxinc.com</b>   |   | Project Name: <b>40-40 Northern Blvd</b><br>Project Location: <b>40-40 Northern Blvd</b><br>Project # <b>3883.0001Y000</b><br>(Use Project name as Project #) <input type="checkbox"/>  |                                     | <input type="checkbox"/> ASP-A<br><input type="checkbox"/> EQiS (1 File)<br><input type="checkbox"/> Other   |  |
| Project Manager: <b>Emily Butler</b><br>ALPHAQuote #:<br>Turn-Around Time<br>Standard <input checked="" type="checkbox"/> Due Date:<br>Rush (only if pre approved) <input type="checkbox"/> # of Days:  |   | <input type="checkbox"/> NY TOGS<br><input type="checkbox"/> NY Part 375<br><input type="checkbox"/> AWQ Standards<br><input type="checkbox"/> NY CP-51<br><input type="checkbox"/> NY Restricted Use<br><input type="checkbox"/> NY Unrestricted Use<br><input type="checkbox"/> NYC Sewer Discharge |                                     | <input checked="" type="checkbox"/> ASP-B<br><input type="checkbox"/> EQiS (4 File)<br><input checked="" type="checkbox"/> Same as Client Info<br>PO #   |  |
| These samples have been previously analyzed by Alpha <input type="checkbox"/>   |   | <b>ANALYSIS</b>   |                                     | <b>Disposal Site Information</b>   |  |
| Other project specific requirements/comments:<br><b>Cat B Deliverables.</b>   |   | NY PFAAS via<br>LCHSM3 Isotope Dilution<br>Total Solids<br>SM 2540  |                                     | Please identify below location of applicable disposal facilities.<br>Disposal Facility:<br><input type="checkbox"/> NJ <input type="checkbox"/> NY<br><input type="checkbox"/> Other:  |  |
| Please specify Metals or TAL.   |   |   |                                     | <b>Sample Filtration</b><br><input type="checkbox"/> Done<br><input type="checkbox"/> Lab to do<br><b>Preservation</b><br><input type="checkbox"/> Lab to do<br>(Please Specify below)   |  |
| Sample Specific Comments  |   | Total Bottles   |                                     |  |  |
| ALPHA Lab ID (Lab Use Only)   | Sample ID   | Collection Date Time  | Sample Matrix                       | Sampler's Initials   |  |
| 30539-01  | SB019 (0-2)P  | 6/9/22 0905   | S                                   | LJ   |  |
| -02   | SB019 (2-4)P  |   |                                     |  |  |
| -03   | SB018 (0-2)P  |   |                                     |  |  |
| -04   | SB018 (2-4)P  |   |                                     |  |  |
| -05   | SB020 (0-2)P  |   |                                     |  |  |
| -06   | SB020 (2-4)P  |   |                                     |  |  |
| -07   | DUP_060922P   |   |                                     |  |  |
| -08   | SB021 (0-2)P  |   |                                     |  |  |
| -09   | SB021 (2-4)P  |   |                                     |  |  |
| Preservative Code:<br>A = None<br>B = HCl<br>C = HNO <sub>3</sub><br>D = H <sub>2</sub> SO <sub>4</sub><br>E = NaOH<br>F = MeOH<br>G = NaHSO <sub>4</sub><br>H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub><br>K/E = Zn Ac/NaOH<br>O = Other |   | Container Code:<br>P = Plastic<br>A = Amber Glass<br>V = Vial<br>G = Glass<br>B = Bacteria Cup<br>C = Cube<br>O = Other<br>E = Encore<br>D = BOD Bottle   |                                     | Westboro: Certification No: MA935<br>Mansfield: Certification No: MA015  |  |
| Container Type<br>P P   |   | Preservative<br>A A   |                                     | Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.) |  |
| Relinquished By:  |   | Date/Time   |                                     | Received By:   |  |
| Date/Time   |   | Date/Time   |                                     | Date/Time  |  |
| Date/Time   |   | Date/Time   |                                     | Date/Time  |  |
| Date/Time   |   | Date/Time   |                                     | Date/Time  |  |



## ANALYTICAL REPORT

|                 |  |
|-----------------|--|
| Lab Number:     | L2230540   |
| Client:         | Roux Env. Eng. & Geology, DPC<br>209 Shafter Street<br>Islandia, NY 11749-5074 |
| ATTN:           | Emily Butler   |
| Phone:          | (631) 630-2432   |
| Project Name:   | 40-40 NORTHERN BLVD  |
| Project Number: | 3883.0001Y000  |
| Report Date:    | 06/23/22   |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

| <b>Alpha<br/>Sample ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Sample<br/>Location</b> | <b>Collection<br/>Date/Time</b> | <b>Receive Date</b> |
|----------------------------|------------------|---------------|----------------------------|---------------------------------|---------------------|
| L2230540-01                | SB019(0-2)       | SOIL          | 40-40 NORTHERN BLVD        | 06/09/22 09:00                  | 06/09/22            |
| L2230540-02                | SB019(2-4)       | SOIL          | 40-40 NORTHERN BLVD        | 06/09/22 09:10                  | 06/09/22            |
| L2230540-03                | SB018(0-2)       | SOIL          | 40-40 NORTHERN BLVD        | 06/09/22 10:10                  | 06/09/22            |
| L2230540-04                | SB018(2-4)       | SOIL          | 40-40 NORTHERN BLVD        | 06/09/22 10:20                  | 06/09/22            |
| L2230540-05                | SB020(0-2)       | SOIL          | 40-40 NORTHERN BLVD        | 06/09/22 12:00                  | 06/09/22            |
| L2230540-06                | SB020(2-4)       | SOIL          | 40-40 NORTHERN BLVD        | 06/09/22 12:10                  | 06/09/22            |
| L2230540-07                | DUP_060922       | SOIL          | 40-40 NORTHERN BLVD        | 06/09/22 11:00                  | 06/09/22            |
| L2230540-08                | SB021(0-2)       | SOIL          | 40-40 NORTHERN BLVD        | 06/09/22 14:00                  | 06/09/22            |
| L2230540-09                | SB021(2-4)       | SOIL          | 40-40 NORTHERN BLVD        | 06/09/22 14:10                  | 06/09/22            |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

**HOLD POLICY** - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

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**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

### Case Narrative (continued)

#### Report Submission

June 23, 2022: This final report includes the results of all requested analyses.

June 17, 2022: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Semivolatile Organics

L2230540-02D, -07D, and -08D: The sample has elevated detection limits due to the dilution required by the sample matrix.

The WG1648972-4/-5 MS/MSD recoveries, performed on L2230540-03, is below the acceptance criteria for hexachlorocyclopentadiene, 2,4-dinitrophenol, and benzoic acid (all at 0%), due to the concentrations of these compounds in the MS/MSD falling below the reported detection limits.

#### Pesticides

L2230540-02D through -05D, -07D, -08D, and -09D: The sample has elevated detection limits due to the dilution required by the sample matrix.

#### Herbicides

L2230540-07D: The sample has elevated detection limits due to the dilution required by the sample matrix.

#### Total Metals

L2230540-01 through -09: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1650984-3/-4 MS/MSD recoveries for aluminum (270%/0%), calcium (0%/1210%), copper (34%/0%), iron (842%/2930%), and magnesium (0%/701%) performed on L2230540-03, do not apply because the sample concentrations are greater than four times the spike amounts added.

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

### Case Narrative (continued)

The WG1650984-3 MS recovery, performed on L2230540-03, is outside the acceptance criteria for antimony (69%). A post digestion spike was performed and was within acceptance criteria.

The WG1650984-3/-4 MS/MSD recoveries, performed on L2230540-03, are outside the acceptance criteria for chromium (MSD 71%), thallium (69%/70%), and zinc (MSD 318%). A post digestion spike was performed and yielded unacceptable recoveries for chromium (78%), thallium (74%), and zinc (76%). The serial dilution recoveries were not applicable; therefore, these elements fail the matrix test and the results reported in the native sample should be considered estimated.

The WG1650984-4 MSD recovery, performed on L2230540-03, is outside the acceptance criteria for manganese (71%). A post digestion spike was performed and yielded an unacceptable recovery of 68%. The serial dilution recovery was acceptable; therefore, the matrix test passed for the sample matrix.

The WG1650984-3/-4 MS/MSD RPDs for aluminum (25%), calcium (92%), chromium (28%), copper (55%), magnesium (86%), and zinc (63%), performed on L2230540-03, are above the acceptance criteria.

#### Cyanide, Total

The WG1650304-2 LCS recovery for cyanide, total (46%), associated with L2230540-01 through -03, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported. The LCS/LCSD RPD is above the acceptance criteria for cyanide, total (61%). The WG1650376-2 LCS recovery for cyanide, total (71%), associated with L2230540-04 through -09, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Kelly Stenstrom

Title: Technical Director/Representative

Date: 06/23/22

# ORGANICS

# VOLATILES

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230540-01  
 Client ID: SB019(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 09:00  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 06/14/22 12:00  
 Analyst: JC  
 Percent Solids: 86%

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride   | ND     |           | ug/kg | 8.0  | 3.7  | 1               |
| 1,1-Dichloroethane   | ND     |           | ug/kg | 1.6  | 0.23 | 1               |
| Chloroform   | ND     |           | ug/kg | 2.4  | 0.22 | 1               |
| Carbon tetrachloride                                       | ND     |           | ug/kg | 1.6  | 0.37 | 1               |
| 1,2-Dichloropropane  | ND     |           | ug/kg | 1.6  | 0.20 | 1               |
| Dibromochloromethane                                       | ND     |           | ug/kg | 1.6  | 0.22 | 1               |
| 1,1,2-Trichloroethane                                      | ND     |           | ug/kg | 1.6  | 0.43 | 1               |
| Tetrachloroethene  | ND     |           | ug/kg | 0.80 | 0.31 | 1               |
| Chlorobenzene  | ND     |           | ug/kg | 0.80 | 0.20 | 1               |
| Trichlorofluoromethane                                     | ND     |           | ug/kg | 6.4  | 1.1  | 1               |
| 1,2-Dichloroethane   | ND     |           | ug/kg | 1.6  | 0.41 | 1               |
| 1,1,1-Trichloroethane                                      | ND     |           | ug/kg | 0.80 | 0.27 | 1               |
| Bromodichloromethane                                       | ND     |           | ug/kg | 0.80 | 0.17 | 1               |
| trans-1,3-Dichloropropene                                  | ND     |           | ug/kg | 1.6  | 0.44 | 1               |
| cis-1,3-Dichloropropene                                    | ND     |           | ug/kg | 0.80 | 0.25 | 1               |
| 1,3-Dichloropropene, Total                                 | ND     |           | ug/kg | 0.80 | 0.25 | 1               |
| 1,1-Dichloropropene  | ND     |           | ug/kg | 0.80 | 0.25 | 1               |
| Bromoform  | ND     |           | ug/kg | 6.4  | 0.39 | 1               |
| 1,1,2,2-Tetrachloroethane                                  | ND     |           | ug/kg | 0.80 | 0.27 | 1               |
| Benzene  | 0.76   | J         | ug/kg | 0.80 | 0.27 | 1               |
| Toluene  | ND     |           | ug/kg | 1.6  | 0.87 | 1               |
| Ethylbenzene   | ND     |           | ug/kg | 1.6  | 0.23 | 1               |
| Chloromethane  | ND     |           | ug/kg | 6.4  | 1.5  | 1               |
| Bromomethane   | ND     |           | ug/kg | 3.2  | 0.93 | 1               |
| Vinyl chloride   | ND     |           | ug/kg | 1.6  | 0.54 | 1               |
| Chloroethane   | ND     |           | ug/kg | 3.2  | 0.72 | 1               |
| 1,1-Dichloroethene   | ND     |           | ug/kg | 1.6  | 0.38 | 1               |
| trans-1,2-Dichloroethene                                   | ND     |           | ug/kg | 2.4  | 0.22 | 1               |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2230540**Project Number:** 3883.0001Y000**Report Date:** 06/23/22**SAMPLE RESULTS**

Lab ID: L2230540-01

Date Collected: 06/09/22 09:00

Client ID: SB019(0-2)

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |      |                 |
| Trichloroethene                                     | ND     |           | ug/kg | 0.80 | 0.22 | 1               |
| 1,2-Dichlorobenzene                                 | ND     |           | ug/kg | 3.2  | 0.23 | 1               |
| 1,3-Dichlorobenzene                                 | ND     |           | ug/kg | 3.2  | 0.24 | 1               |
| 1,4-Dichlorobenzene                                 | ND     |           | ug/kg | 3.2  | 0.27 | 1               |
| Methyl tert butyl ether                             | ND     |           | ug/kg | 3.2  | 0.32 | 1               |
| p/m-Xylene  | ND     |           | ug/kg | 3.2  | 0.90 | 1               |
| o-Xylene  | ND     |           | ug/kg | 1.6  | 0.47 | 1               |
| Xylenes, Total                                      | ND     |           | ug/kg | 1.6  | 0.47 | 1               |
| cis-1,2-Dichloroethene                              | ND     |           | ug/kg | 1.6  | 0.28 | 1               |
| 1,2-Dichloroethene, Total                           | ND     |           | ug/kg | 1.6  | 0.22 | 1               |
| Dibromomethane                                      | ND     |           | ug/kg | 3.2  | 0.38 | 1               |
| Styrene   | ND     |           | ug/kg | 1.6  | 0.31 | 1               |
| Dichlorodifluoromethane                             | ND     |           | ug/kg | 16   | 1.5  | 1               |
| Acetone   | 15     | J         | ug/kg | 16   | 7.7  | 1               |
| Carbon disulfide                                    | ND     |           | ug/kg | 16   | 7.3  | 1               |
| 2-Butanone  | ND     |           | ug/kg | 16   | 3.6  | 1               |
| Vinyl acetate                                       | ND     |           | ug/kg | 16   | 3.4  | 1               |
| 4-Methyl-2-pentanone                                | ND     |           | ug/kg | 16   | 2.0  | 1               |
| 1,2,3-Trichloropropane                              | ND     |           | ug/kg | 3.2  | 0.20 | 1               |
| 2-Hexanone  | ND     |           | ug/kg | 16   | 1.9  | 1               |
| Bromochloromethane                                  | ND     |           | ug/kg | 3.2  | 0.33 | 1               |
| 2,2-Dichloropropane                                 | ND     |           | ug/kg | 3.2  | 0.32 | 1               |
| 1,2-Dibromoethane                                   | ND     |           | ug/kg | 1.6  | 0.45 | 1               |
| 1,3-Dichloropropane                                 | ND     |           | ug/kg | 3.2  | 0.27 | 1               |
| 1,1,1,2-Tetrachloroethane                           | ND     |           | ug/kg | 0.80 | 0.21 | 1               |
| Bromobenzene  | ND     |           | ug/kg | 3.2  | 0.23 | 1               |
| n-Butylbenzene                                      | ND     |           | ug/kg | 1.6  | 0.27 | 1               |
| sec-Butylbenzene                                    | ND     |           | ug/kg | 1.6  | 0.23 | 1               |
| tert-Butylbenzene                                   | ND     |           | ug/kg | 3.2  | 0.19 | 1               |
| o-Chlorotoluene                                     | ND     |           | ug/kg | 3.2  | 0.31 | 1               |
| p-Chlorotoluene                                     | ND     |           | ug/kg | 3.2  | 0.17 | 1               |
| 1,2-Dibromo-3-chloropropane                         | ND     |           | ug/kg | 4.8  | 1.6  | 1               |
| Hexachlorobutadiene                                 | ND     |           | ug/kg | 6.4  | 0.27 | 1               |
| Isopropylbenzene                                    | ND     |           | ug/kg | 1.6  | 0.17 | 1               |
| p-Isopropyltoluene                                  | ND     |           | ug/kg | 1.6  | 0.17 | 1               |
| Naphthalene   | ND     |           | ug/kg | 6.4  | 1.0  | 1               |
| Acrylonitrile                                       | ND     |           | ug/kg | 6.4  | 1.8  | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230540-01  
**Client ID:** SB019(0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 09:00  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/kg | 1.6 | 0.27 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/kg | 3.2 | 0.52 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/kg | 3.2 | 0.44 | 1               |
| 1,3,5-Trimethylbenzene                              | ND     |           | ug/kg | 3.2 | 0.31 | 1               |
| 1,2,4-Trimethylbenzene                              | ND     |           | ug/kg | 3.2 | 0.54 | 1               |
| 1,4-Dioxane   | ND     |           | ug/kg | 130 | 56.  | 1               |
| p-Diethylbenzene                                    | ND     |           | ug/kg | 3.2 | 0.28 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/kg | 3.2 | 0.62 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | ND     |           | ug/kg | 3.2 | 0.31 | 1               |
| Ethyl ether   | ND     |           | ug/kg | 3.2 | 0.55 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/kg | 8.0 | 2.3  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 111        |           | 70-130              |
| Toluene-d8            | 98         |           | 70-130              |
| 4-Bromofluorobenzene  | 103        |           | 70-130              |
| Dibromofluoromethane  | 111        |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230540-02  
**Client ID:** SB019(2-4)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 09:10  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 06/14/22 11:33  
**Analyst:** JC  
**Percent Solids:** 89%

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride   | ND     |           | ug/kg | 9.2  | 4.2  | 1               |
| 1,1-Dichloroethane   | ND     |           | ug/kg | 1.8  | 0.26 | 1               |
| Chloroform   | ND     |           | ug/kg | 2.7  | 0.26 | 1               |
| Carbon tetrachloride                                       | ND     |           | ug/kg | 1.8  | 0.42 | 1               |
| 1,2-Dichloropropane  | ND     |           | ug/kg | 1.8  | 0.23 | 1               |
| Dibromochloromethane                                       | ND     |           | ug/kg | 1.8  | 0.26 | 1               |
| 1,1,2-Trichloroethane                                      | ND     |           | ug/kg | 1.8  | 0.49 | 1               |
| Tetrachloroethene  | ND     |           | ug/kg | 0.92 | 0.36 | 1               |
| Chlorobenzene  | ND     |           | ug/kg | 0.92 | 0.23 | 1               |
| Trichlorofluoromethane                                     | ND     |           | ug/kg | 7.3  | 1.3  | 1               |
| 1,2-Dichloroethane   | ND     |           | ug/kg | 1.8  | 0.47 | 1               |
| 1,1,1-Trichloroethane                                      | ND     |           | ug/kg | 0.92 | 0.30 | 1               |
| Bromodichloromethane                                       | ND     |           | ug/kg | 0.92 | 0.20 | 1               |
| trans-1,3-Dichloropropene                                  | ND     |           | ug/kg | 1.8  | 0.50 | 1               |
| cis-1,3-Dichloropropene                                    | ND     |           | ug/kg | 0.92 | 0.29 | 1               |
| 1,3-Dichloropropene, Total                                 | ND     |           | ug/kg | 0.92 | 0.29 | 1               |
| 1,1-Dichloropropene  | ND     |           | ug/kg | 0.92 | 0.29 | 1               |
| Bromoform  | ND     |           | ug/kg | 7.3  | 0.45 | 1               |
| 1,1,2,2-Tetrachloroethane                                  | ND     |           | ug/kg | 0.92 | 0.30 | 1               |
| Benzene  | ND     |           | ug/kg | 0.92 | 0.30 | 1               |
| Toluene  | ND     |           | ug/kg | 1.8  | 0.99 | 1               |
| Ethylbenzene   | ND     |           | ug/kg | 1.8  | 0.26 | 1               |
| Chloromethane  | ND     |           | ug/kg | 7.3  | 1.7  | 1               |
| Bromomethane   | ND     |           | ug/kg | 3.7  | 1.1  | 1               |
| Vinyl chloride   | ND     |           | ug/kg | 1.8  | 0.61 | 1               |
| Chloroethane   | ND     |           | ug/kg | 3.7  | 0.83 | 1               |
| 1,1-Dichloroethene   | ND     |           | ug/kg | 1.8  | 0.44 | 1               |
| trans-1,2-Dichloroethene                                   | ND     |           | ug/kg | 2.7  | 0.25 | 1               |



**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2230540**Project Number:** 3883.0001Y000**Report Date:** 06/23/22**SAMPLE RESULTS**

Lab ID: L2230540-02  
 Client ID: SB019(2-4)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 09:10  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| <b>Volatiles Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Trichloroethene   | ND     |           | ug/kg | 0.92 | 0.25 | 1               |
| 1,2-Dichlorobenzene   | ND     |           | ug/kg | 3.7  | 0.26 | 1               |
| 1,3-Dichlorobenzene   | ND     |           | ug/kg | 3.7  | 0.27 | 1               |
| 1,4-Dichlorobenzene   | ND     |           | ug/kg | 3.7  | 0.31 | 1               |
| Methyl tert butyl ether                                     | ND     |           | ug/kg | 3.7  | 0.37 | 1               |
| p/m-Xylene  | ND     |           | ug/kg | 3.7  | 1.0  | 1               |
| o-Xylene  | ND     |           | ug/kg | 1.8  | 0.53 | 1               |
| Xylenes, Total  | ND     |           | ug/kg | 1.8  | 0.53 | 1               |
| cis-1,2-Dichloroethene                                      | ND     |           | ug/kg | 1.8  | 0.32 | 1               |
| 1,2-Dichloroethene, Total                                   | ND     |           | ug/kg | 1.8  | 0.25 | 1               |
| Dibromomethane  | ND     |           | ug/kg | 3.7  | 0.44 | 1               |
| Styrene   | ND     |           | ug/kg | 1.8  | 0.36 | 1               |
| Dichlorodifluoromethane                                     | ND     |           | ug/kg | 18   | 1.7  | 1               |
| Acetone   | ND     |           | ug/kg | 18   | 8.8  | 1               |
| Carbon disulfide  | ND     |           | ug/kg | 18   | 8.3  | 1               |
| 2-Butanone  | ND     |           | ug/kg | 18   | 4.1  | 1               |
| Vinyl acetate   | ND     |           | ug/kg | 18   | 3.9  | 1               |
| 4-Methyl-2-pentanone  | ND     |           | ug/kg | 18   | 2.3  | 1               |
| 1,2,3-Trichloropropane                                      | ND     |           | ug/kg | 3.7  | 0.23 | 1               |
| 2-Hexanone  | ND     |           | ug/kg | 18   | 2.2  | 1               |
| Bromochloromethane  | ND     |           | ug/kg | 3.7  | 0.38 | 1               |
| 2,2-Dichloropropane   | ND     |           | ug/kg | 3.7  | 0.37 | 1               |
| 1,2-Dibromoethane   | ND     |           | ug/kg | 1.8  | 0.51 | 1               |
| 1,3-Dichloropropane   | ND     |           | ug/kg | 3.7  | 0.30 | 1               |
| 1,1,1,2-Tetrachloroethane                                   | ND     |           | ug/kg | 0.92 | 0.24 | 1               |
| Bromobenzene  | ND     |           | ug/kg | 3.7  | 0.26 | 1               |
| n-Butylbenzene  | ND     |           | ug/kg | 1.8  | 0.30 | 1               |
| sec-Butylbenzene  | ND     |           | ug/kg | 1.8  | 0.27 | 1               |
| tert-Butylbenzene   | ND     |           | ug/kg | 3.7  | 0.22 | 1               |
| o-Chlorotoluene   | ND     |           | ug/kg | 3.7  | 0.35 | 1               |
| p-Chlorotoluene   | ND     |           | ug/kg | 3.7  | 0.20 | 1               |
| 1,2-Dibromo-3-chloropropane                                 | ND     |           | ug/kg | 5.5  | 1.8  | 1               |
| Hexachlorobutadiene   | ND     |           | ug/kg | 7.3  | 0.31 | 1               |
| Isopropylbenzene  | ND     |           | ug/kg | 1.8  | 0.20 | 1               |
| p-Isopropyltoluene  | ND     |           | ug/kg | 1.8  | 0.20 | 1               |
| Naphthalene   | ND     |           | ug/kg | 7.3  | 1.2  | 1               |
| Acrylonitrile   | ND     |           | ug/kg | 7.3  | 2.1  | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230540-02  
**Client ID:** SB019(2-4)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 09:10  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/kg | 1.8 | 0.31 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/kg | 3.7 | 0.59 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/kg | 3.7 | 0.50 | 1               |
| 1,3,5-Trimethylbenzene                              | ND     |           | ug/kg | 3.7 | 0.35 | 1               |
| 1,2,4-Trimethylbenzene                              | ND     |           | ug/kg | 3.7 | 0.61 | 1               |
| 1,4-Dioxane   | ND     |           | ug/kg | 150 | 64.  | 1               |
| p-Diethylbenzene                                    | ND     |           | ug/kg | 3.7 | 0.32 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/kg | 3.7 | 0.70 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | ND     |           | ug/kg | 3.7 | 0.35 | 1               |
| Ethyl ether   | ND     |           | ug/kg | 3.7 | 0.62 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/kg | 9.2 | 2.6  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 110        |           | 70-130              |
| Toluene-d8            | 99         |           | 70-130              |
| 4-Bromofluorobenzene  | 102        |           | 70-130              |
| Dibromofluoromethane  | 112        |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230540-03  
**Client ID:** SB018(0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 10:10  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 06/13/22 15:21  
**Analyst:** NLK  
**Percent Solids:** 95%

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride   | ND     |           | ug/kg | 6.7  | 3.1  | 1               |
| 1,1-Dichloroethane   | ND     |           | ug/kg | 1.3  | 0.19 | 1               |
| Chloroform   | ND     |           | ug/kg | 2.0  | 0.19 | 1               |
| Carbon tetrachloride                                       | ND     |           | ug/kg | 1.3  | 0.31 | 1               |
| 1,2-Dichloropropane  | ND     |           | ug/kg | 1.3  | 0.17 | 1               |
| Dibromochloromethane                                       | ND     |           | ug/kg | 1.3  | 0.19 | 1               |
| 1,1,2-Trichloroethane                                      | ND     |           | ug/kg | 1.3  | 0.36 | 1               |
| Tetrachloroethene  | ND     |           | ug/kg | 0.67 | 0.26 | 1               |
| Chlorobenzene  | ND     |           | ug/kg | 0.67 | 0.17 | 1               |
| Trichlorofluoromethane                                     | ND     |           | ug/kg | 5.4  | 0.93 | 1               |
| 1,2-Dichloroethane   | ND     |           | ug/kg | 1.3  | 0.34 | 1               |
| 1,1,1-Trichloroethane                                      | ND     |           | ug/kg | 0.67 | 0.22 | 1               |
| Bromodichloromethane                                       | ND     |           | ug/kg | 0.67 | 0.14 | 1               |
| trans-1,3-Dichloropropene                                  | ND     |           | ug/kg | 1.3  | 0.36 | 1               |
| cis-1,3-Dichloropropene                                    | ND     |           | ug/kg | 0.67 | 0.21 | 1               |
| 1,3-Dichloropropene, Total                                 | ND     |           | ug/kg | 0.67 | 0.21 | 1               |
| 1,1-Dichloropropene  | ND     |           | ug/kg | 0.67 | 0.21 | 1               |
| Bromoform  | ND     |           | ug/kg | 5.4  | 0.33 | 1               |
| 1,1,2,2-Tetrachloroethane                                  | ND     |           | ug/kg | 0.67 | 0.22 | 1               |
| Benzene  | ND     |           | ug/kg | 0.67 | 0.22 | 1               |
| Toluene  | ND     |           | ug/kg | 1.3  | 0.73 | 1               |
| Ethylbenzene   | ND     |           | ug/kg | 1.3  | 0.19 | 1               |
| Chloromethane  | ND     |           | ug/kg | 5.4  | 1.2  | 1               |
| Bromomethane   | ND     |           | ug/kg | 2.7  | 0.78 | 1               |
| Vinyl chloride   | ND     |           | ug/kg | 1.3  | 0.45 | 1               |
| Chloroethane   | ND     |           | ug/kg | 2.7  | 0.60 | 1               |
| 1,1-Dichloroethene   | ND     |           | ug/kg | 1.3  | 0.32 | 1               |
| trans-1,2-Dichloroethene                                   | ND     |           | ug/kg | 2.0  | 0.18 | 1               |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2230540**Project Number:** 3883.0001Y000**Report Date:** 06/23/22**SAMPLE RESULTS**

Lab ID: L2230540-03  
 Client ID: SB018(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 10:10  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Trichloroethene  | ND     |           | ug/kg | 0.67 | 0.18 | 1               |
| 1,2-Dichlorobenzene  | ND     |           | ug/kg | 2.7  | 0.19 | 1               |
| 1,3-Dichlorobenzene  | ND     |           | ug/kg | 2.7  | 0.20 | 1               |
| 1,4-Dichlorobenzene  | ND     |           | ug/kg | 2.7  | 0.23 | 1               |
| Methyl tert butyl ether                                    | ND     |           | ug/kg | 2.7  | 0.27 | 1               |
| p/m-Xylene   | ND     |           | ug/kg | 2.7  | 0.75 | 1               |
| o-Xylene   | ND     |           | ug/kg | 1.3  | 0.39 | 1               |
| Xylenes, Total   | ND     |           | ug/kg | 1.3  | 0.39 | 1               |
| cis-1,2-Dichloroethene                                     | ND     |           | ug/kg | 1.3  | 0.23 | 1               |
| 1,2-Dichloroethene, Total                                  | ND     |           | ug/kg | 1.3  | 0.18 | 1               |
| Dibromomethane   | ND     |           | ug/kg | 2.7  | 0.32 | 1               |
| Styrene  | ND     |           | ug/kg | 1.3  | 0.26 | 1               |
| Dichlorodifluoromethane                                    | ND     |           | ug/kg | 13   | 1.2  | 1               |
| Acetone  | 8.3    | J         | ug/kg | 13   | 6.4  | 1               |
| Carbon disulfide   | ND     |           | ug/kg | 13   | 6.1  | 1               |
| 2-Butanone   | ND     |           | ug/kg | 13   | 3.0  | 1               |
| Vinyl acetate  | ND     |           | ug/kg | 13   | 2.9  | 1               |
| 4-Methyl-2-pentanone                                       | ND     |           | ug/kg | 13   | 1.7  | 1               |
| 1,2,3-Trichloropropane                                     | ND     |           | ug/kg | 2.7  | 0.17 | 1               |
| 2-Hexanone   | ND     |           | ug/kg | 13   | 1.6  | 1               |
| Bromochloromethane   | ND     |           | ug/kg | 2.7  | 0.27 | 1               |
| 2,2-Dichloropropane  | ND     |           | ug/kg | 2.7  | 0.27 | 1               |
| 1,2-Dibromoethane  | ND     |           | ug/kg | 1.3  | 0.37 | 1               |
| 1,3-Dichloropropane  | ND     |           | ug/kg | 2.7  | 0.22 | 1               |
| 1,1,1,2-Tetrachloroethane                                  | ND     |           | ug/kg | 0.67 | 0.18 | 1               |
| Bromobenzene   | ND     |           | ug/kg | 2.7  | 0.19 | 1               |
| n-Butylbenzene   | ND     |           | ug/kg | 1.3  | 0.22 | 1               |
| sec-Butylbenzene   | ND     |           | ug/kg | 1.3  | 0.20 | 1               |
| tert-Butylbenzene  | ND     |           | ug/kg | 2.7  | 0.16 | 1               |
| o-Chlorotoluene  | ND     |           | ug/kg | 2.7  | 0.26 | 1               |
| p-Chlorotoluene  | ND     |           | ug/kg | 2.7  | 0.14 | 1               |
| 1,2-Dibromo-3-chloropropane                                | ND     |           | ug/kg | 4.0  | 1.3  | 1               |
| Hexachlorobutadiene  | ND     |           | ug/kg | 5.4  | 0.23 | 1               |
| Isopropylbenzene   | ND     |           | ug/kg | 1.3  | 0.14 | 1               |
| p-Isopropyltoluene   | 0.16   | J         | ug/kg | 1.3  | 0.14 | 1               |
| Naphthalene  | ND     |           | ug/kg | 5.4  | 0.87 | 1               |
| Acrylonitrile  | ND     |           | ug/kg | 5.4  | 1.5  | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230540-03  
**Client ID:** SB018(0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 10:10  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/kg | 1.3 | 0.23 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/kg | 2.7 | 0.43 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/kg | 2.7 | 0.36 | 1               |
| 1,3,5-Trimethylbenzene                              | 0.59   | J         | ug/kg | 2.7 | 0.26 | 1               |
| 1,2,4-Trimethylbenzene                              | 0.64   | J         | ug/kg | 2.7 | 0.45 | 1               |
| 1,4-Dioxane   | ND     |           | ug/kg | 110 | 47.  | 1               |
| p-Diethylbenzene                                    | ND     |           | ug/kg | 2.7 | 0.24 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/kg | 2.7 | 0.51 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | 0.68   | J         | ug/kg | 2.7 | 0.26 | 1               |
| Ethyl ether   | ND     |           | ug/kg | 2.7 | 0.46 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/kg | 6.7 | 1.9  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 107        |           | 70-130              |
| Toluene-d8            | 103        |           | 70-130              |
| 4-Bromofluorobenzene  | 116        |           | 70-130              |
| Dibromofluoromethane  | 110        |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230540-04  
 Client ID: SB018(2-4)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 10:20  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 06/13/22 15:48  
 Analyst: NLK  
 Percent Solids: 92%

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride   | ND     |           | ug/kg | 6.5  | 3.0  | 1               |
| 1,1-Dichloroethane   | ND     |           | ug/kg | 1.3  | 0.19 | 1               |
| Chloroform   | ND     |           | ug/kg | 2.0  | 0.18 | 1               |
| Carbon tetrachloride                                       | ND     |           | ug/kg | 1.3  | 0.30 | 1               |
| 1,2-Dichloropropane  | ND     |           | ug/kg | 1.3  | 0.16 | 1               |
| Dibromochloromethane                                       | ND     |           | ug/kg | 1.3  | 0.18 | 1               |
| 1,1,2-Trichloroethane                                      | ND     |           | ug/kg | 1.3  | 0.35 | 1               |
| Tetrachloroethene  | ND     |           | ug/kg | 0.65 | 0.26 | 1               |
| Chlorobenzene  | ND     |           | ug/kg | 0.65 | 0.17 | 1               |
| Trichlorofluoromethane                                     | ND     |           | ug/kg | 5.2  | 0.91 | 1               |
| 1,2-Dichloroethane   | ND     |           | ug/kg | 1.3  | 0.34 | 1               |
| 1,1,1-Trichloroethane                                      | ND     |           | ug/kg | 0.65 | 0.22 | 1               |
| Bromodichloromethane                                       | ND     |           | ug/kg | 0.65 | 0.14 | 1               |
| trans-1,3-Dichloropropene                                  | ND     |           | ug/kg | 1.3  | 0.36 | 1               |
| cis-1,3-Dichloropropene                                    | ND     |           | ug/kg | 0.65 | 0.21 | 1               |
| 1,3-Dichloropropene, Total                                 | ND     |           | ug/kg | 0.65 | 0.21 | 1               |
| 1,1-Dichloropropene  | ND     |           | ug/kg | 0.65 | 0.21 | 1               |
| Bromoform  | ND     |           | ug/kg | 5.2  | 0.32 | 1               |
| 1,1,2,2-Tetrachloroethane                                  | ND     |           | ug/kg | 0.65 | 0.22 | 1               |
| Benzene  | ND     |           | ug/kg | 0.65 | 0.22 | 1               |
| Toluene  | ND     |           | ug/kg | 1.3  | 0.71 | 1               |
| Ethylbenzene   | ND     |           | ug/kg | 1.3  | 0.18 | 1               |
| Chloromethane  | ND     |           | ug/kg | 5.2  | 1.2  | 1               |
| Bromomethane   | ND     |           | ug/kg | 2.6  | 0.76 | 1               |
| Vinyl chloride   | ND     |           | ug/kg | 1.3  | 0.44 | 1               |
| Chloroethane   | ND     |           | ug/kg | 2.6  | 0.59 | 1               |
| 1,1-Dichloroethene   | ND     |           | ug/kg | 1.3  | 0.31 | 1               |
| trans-1,2-Dichloroethene                                   | ND     |           | ug/kg | 2.0  | 0.18 | 1               |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

## SAMPLE RESULTS

Lab ID: L2230540-04  
 Client ID: SB018(2-4)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 10:20  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |      |                 |
| Trichloroethene                                     | ND     |           | ug/kg | 0.65 | 0.18 | 1               |
| 1,2-Dichlorobenzene                                 | ND     |           | ug/kg | 2.6  | 0.19 | 1               |
| 1,3-Dichlorobenzene                                 | ND     |           | ug/kg | 2.6  | 0.19 | 1               |
| 1,4-Dichlorobenzene                                 | ND     |           | ug/kg | 2.6  | 0.22 | 1               |
| Methyl tert butyl ether                             | ND     |           | ug/kg | 2.6  | 0.26 | 1               |
| p/m-Xylene  | ND     |           | ug/kg | 2.6  | 0.73 | 1               |
| o-Xylene  | ND     |           | ug/kg | 1.3  | 0.38 | 1               |
| Xylenes, Total                                      | ND     |           | ug/kg | 1.3  | 0.38 | 1               |
| cis-1,2-Dichloroethene                              | ND     |           | ug/kg | 1.3  | 0.23 | 1               |
| 1,2-Dichloroethene, Total                           | ND     |           | ug/kg | 1.3  | 0.18 | 1               |
| Dibromomethane                                      | ND     |           | ug/kg | 2.6  | 0.31 | 1               |
| Styrene   | ND     |           | ug/kg | 1.3  | 0.26 | 1               |
| Dichlorodifluoromethane                             | ND     |           | ug/kg | 13   | 1.2  | 1               |
| Acetone   | 6.6    | J         | ug/kg | 13   | 6.3  | 1               |
| Carbon disulfide                                    | ND     |           | ug/kg | 13   | 6.0  | 1               |
| 2-Butanone  | ND     |           | ug/kg | 13   | 2.9  | 1               |
| Vinyl acetate                                       | ND     |           | ug/kg | 13   | 2.8  | 1               |
| 4-Methyl-2-pentanone                                | ND     |           | ug/kg | 13   | 1.7  | 1               |
| 1,2,3-Trichloropropane                              | ND     |           | ug/kg | 2.6  | 0.17 | 1               |
| 2-Hexanone  | ND     |           | ug/kg | 13   | 1.5  | 1               |
| Bromochloromethane                                  | ND     |           | ug/kg | 2.6  | 0.27 | 1               |
| 2,2-Dichloropropane                                 | ND     |           | ug/kg | 2.6  | 0.26 | 1               |
| 1,2-Dibromoethane                                   | ND     |           | ug/kg | 1.3  | 0.36 | 1               |
| 1,3-Dichloropropane                                 | ND     |           | ug/kg | 2.6  | 0.22 | 1               |
| 1,1,1,2-Tetrachloroethane                           | ND     |           | ug/kg | 0.65 | 0.17 | 1               |
| Bromobenzene  | ND     |           | ug/kg | 2.6  | 0.19 | 1               |
| n-Butylbenzene                                      | ND     |           | ug/kg | 1.3  | 0.22 | 1               |
| sec-Butylbenzene                                    | ND     |           | ug/kg | 1.3  | 0.19 | 1               |
| tert-Butylbenzene                                   | ND     |           | ug/kg | 2.6  | 0.15 | 1               |
| o-Chlorotoluene                                     | ND     |           | ug/kg | 2.6  | 0.25 | 1               |
| p-Chlorotoluene                                     | ND     |           | ug/kg | 2.6  | 0.14 | 1               |
| 1,2-Dibromo-3-chloropropane                         | ND     |           | ug/kg | 3.9  | 1.3  | 1               |
| Hexachlorobutadiene                                 | ND     |           | ug/kg | 5.2  | 0.22 | 1               |
| Isopropylbenzene                                    | ND     |           | ug/kg | 1.3  | 0.14 | 1               |
| p-Isopropyltoluene                                  | ND     |           | ug/kg | 1.3  | 0.14 | 1               |
| Naphthalene   | ND     |           | ug/kg | 5.2  | 0.85 | 1               |
| Acrylonitrile                                       | ND     |           | ug/kg | 5.2  | 1.5  | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230540-04  
**Client ID:** SB018(2-4)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 10:20  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/kg | 1.3 | 0.22 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/kg | 2.6 | 0.42 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/kg | 2.6 | 0.36 | 1               |
| 1,3,5-Trimethylbenzene                              | ND     |           | ug/kg | 2.6 | 0.25 | 1               |
| 1,2,4-Trimethylbenzene                              | ND     |           | ug/kg | 2.6 | 0.44 | 1               |
| 1,4-Dioxane   | ND     |           | ug/kg | 100 | 46.  | 1               |
| p-Diethylbenzene                                    | 0.32   | J         | ug/kg | 2.6 | 0.23 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/kg | 2.6 | 0.50 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | ND     |           | ug/kg | 2.6 | 0.25 | 1               |
| Ethyl ether   | ND     |           | ug/kg | 2.6 | 0.44 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/kg | 6.5 | 1.8  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 108        |           | 70-130              |
| Toluene-d8            | 98         |           | 70-130              |
| 4-Bromofluorobenzene  | 99         |           | 70-130              |
| Dibromofluoromethane  | 108        |           | 70-130              |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230540-05  
 Client ID: SB020(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 12:00  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 06/14/22 11:07  
 Analyst: JC  
 Percent Solids: 93%

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride   | ND     |           | ug/kg | 7.0  | 3.2  | 1               |
| 1,1-Dichloroethane   | ND     |           | ug/kg | 1.4  | 0.20 | 1               |
| Chloroform   | ND     |           | ug/kg | 2.1  | 0.20 | 1               |
| Carbon tetrachloride                                       | ND     |           | ug/kg | 1.4  | 0.32 | 1               |
| 1,2-Dichloropropane  | ND     |           | ug/kg | 1.4  | 0.18 | 1               |
| Dibromochloromethane                                       | ND     |           | ug/kg | 1.4  | 0.20 | 1               |
| 1,1,2-Trichloroethane                                      | ND     |           | ug/kg | 1.4  | 0.38 | 1               |
| Tetrachloroethene  | ND     |           | ug/kg | 0.70 | 0.28 | 1               |
| Chlorobenzene  | ND     |           | ug/kg | 0.70 | 0.18 | 1               |
| Trichlorofluoromethane                                     | ND     |           | ug/kg | 5.6  | 0.98 | 1               |
| 1,2-Dichloroethane   | ND     |           | ug/kg | 1.4  | 0.36 | 1               |
| 1,1,1-Trichloroethane                                      | ND     |           | ug/kg | 0.70 | 0.23 | 1               |
| Bromodichloromethane                                       | ND     |           | ug/kg | 0.70 | 0.15 | 1               |
| trans-1,3-Dichloropropene                                  | ND     |           | ug/kg | 1.4  | 0.38 | 1               |
| cis-1,3-Dichloropropene                                    | ND     |           | ug/kg | 0.70 | 0.22 | 1               |
| 1,3-Dichloropropene, Total                                 | ND     |           | ug/kg | 0.70 | 0.22 | 1               |
| 1,1-Dichloropropene  | ND     |           | ug/kg | 0.70 | 0.22 | 1               |
| Bromoform  | ND     |           | ug/kg | 5.6  | 0.35 | 1               |
| 1,1,2,2-Tetrachloroethane                                  | ND     |           | ug/kg | 0.70 | 0.23 | 1               |
| Benzene  | ND     |           | ug/kg | 0.70 | 0.23 | 1               |
| Toluene  | ND     |           | ug/kg | 1.4  | 0.76 | 1               |
| Ethylbenzene   | ND     |           | ug/kg | 1.4  | 0.20 | 1               |
| Chloromethane  | ND     |           | ug/kg | 5.6  | 1.3  | 1               |
| Bromomethane   | ND     |           | ug/kg | 2.8  | 0.82 | 1               |
| Vinyl chloride   | ND     |           | ug/kg | 1.4  | 0.47 | 1               |
| Chloroethane   | ND     |           | ug/kg | 2.8  | 0.64 | 1               |
| 1,1-Dichloroethene   | ND     |           | ug/kg | 1.4  | 0.33 | 1               |
| trans-1,2-Dichloroethene                                   | ND     |           | ug/kg | 2.1  | 0.19 | 1               |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2230540**Project Number:** 3883.0001Y000**Report Date:** 06/23/22**SAMPLE RESULTS**

Lab ID: L2230540-05  
 Client ID: SB020(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 12:00  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| <b>Volatiles Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Trichloroethene   | ND     |           | ug/kg | 0.70 | 0.19 | 1               |
| 1,2-Dichlorobenzene   | ND     |           | ug/kg | 2.8  | 0.20 | 1               |
| 1,3-Dichlorobenzene   | ND     |           | ug/kg | 2.8  | 0.21 | 1               |
| 1,4-Dichlorobenzene   | ND     |           | ug/kg | 2.8  | 0.24 | 1               |
| Methyl tert butyl ether                                     | ND     |           | ug/kg | 2.8  | 0.28 | 1               |
| p/m-Xylene  | ND     |           | ug/kg | 2.8  | 0.79 | 1               |
| o-Xylene  | ND     |           | ug/kg | 1.4  | 0.41 | 1               |
| Xylenes, Total  | ND     |           | ug/kg | 1.4  | 0.41 | 1               |
| cis-1,2-Dichloroethene                                      | ND     |           | ug/kg | 1.4  | 0.25 | 1               |
| 1,2-Dichloroethene, Total                                   | ND     |           | ug/kg | 1.4  | 0.19 | 1               |
| Dibromomethane  | ND     |           | ug/kg | 2.8  | 0.33 | 1               |
| Styrene   | ND     |           | ug/kg | 1.4  | 0.28 | 1               |
| Dichlorodifluoromethane                                     | ND     |           | ug/kg | 14   | 1.3  | 1               |
| Acetone   | ND     |           | ug/kg | 14   | 6.8  | 1               |
| Carbon disulfide  | ND     |           | ug/kg | 14   | 6.4  | 1               |
| 2-Butanone  | ND     |           | ug/kg | 14   | 3.1  | 1               |
| Vinyl acetate   | ND     |           | ug/kg | 14   | 3.0  | 1               |
| 4-Methyl-2-pentanone  | ND     |           | ug/kg | 14   | 1.8  | 1               |
| 1,2,3-Trichloropropane                                      | ND     |           | ug/kg | 2.8  | 0.18 | 1               |
| 2-Hexanone  | ND     |           | ug/kg | 14   | 1.6  | 1               |
| Bromochloromethane  | ND     |           | ug/kg | 2.8  | 0.29 | 1               |
| 2,2-Dichloropropane   | ND     |           | ug/kg | 2.8  | 0.28 | 1               |
| 1,2-Dibromoethane   | ND     |           | ug/kg | 1.4  | 0.39 | 1               |
| 1,3-Dichloropropane   | ND     |           | ug/kg | 2.8  | 0.23 | 1               |
| 1,1,1,2-Tetrachloroethane                                   | ND     |           | ug/kg | 0.70 | 0.18 | 1               |
| Bromobenzene  | ND     |           | ug/kg | 2.8  | 0.20 | 1               |
| n-Butylbenzene  | ND     |           | ug/kg | 1.4  | 0.23 | 1               |
| sec-Butylbenzene  | ND     |           | ug/kg | 1.4  | 0.20 | 1               |
| tert-Butylbenzene   | ND     |           | ug/kg | 2.8  | 0.16 | 1               |
| o-Chlorotoluene   | ND     |           | ug/kg | 2.8  | 0.27 | 1               |
| p-Chlorotoluene   | ND     |           | ug/kg | 2.8  | 0.15 | 1               |
| 1,2-Dibromo-3-chloropropane                                 | ND     |           | ug/kg | 4.2  | 1.4  | 1               |
| Hexachlorobutadiene   | ND     |           | ug/kg | 5.6  | 0.24 | 1               |
| Isopropylbenzene  | ND     |           | ug/kg | 1.4  | 0.15 | 1               |
| p-Isopropyltoluene  | ND     |           | ug/kg | 1.4  | 0.15 | 1               |
| Naphthalene   | ND     |           | ug/kg | 5.6  | 0.91 | 1               |
| Acrylonitrile   | ND     |           | ug/kg | 5.6  | 1.6  | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230540-05  
**Client ID:** SB020(0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 12:00  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/kg | 1.4 | 0.24 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/kg | 2.8 | 0.45 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/kg | 2.8 | 0.38 | 1               |
| 1,3,5-Trimethylbenzene                              | ND     |           | ug/kg | 2.8 | 0.27 | 1               |
| 1,2,4-Trimethylbenzene                              | ND     |           | ug/kg | 2.8 | 0.47 | 1               |
| 1,4-Dioxane   | ND     |           | ug/kg | 110 | 49.  | 1               |
| p-Diethylbenzene                                    | ND     |           | ug/kg | 2.8 | 0.25 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/kg | 2.8 | 0.54 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | ND     |           | ug/kg | 2.8 | 0.27 | 1               |
| Ethyl ether   | ND     |           | ug/kg | 2.8 | 0.48 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/kg | 7.0 | 2.0  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 111        |           | 70-130              |
| Toluene-d8            | 101        |           | 70-130              |
| 4-Bromofluorobenzene  | 112        |           | 70-130              |
| Dibromofluoromethane  | 112        |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230540-06  
**Client ID:** SB020(2-4)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 12:10  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 06/14/22 10:41  
**Analyst:** JC  
**Percent Solids:** 95%

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride   | ND     |           | ug/kg | 6.6  | 3.0  | 1               |
| 1,1-Dichloroethane   | ND     |           | ug/kg | 1.3  | 0.19 | 1               |
| Chloroform   | ND     |           | ug/kg | 2.0  | 0.18 | 1               |
| Carbon tetrachloride                                       | ND     |           | ug/kg | 1.3  | 0.30 | 1               |
| 1,2-Dichloropropane  | ND     |           | ug/kg | 1.3  | 0.16 | 1               |
| Dibromochloromethane                                       | ND     |           | ug/kg | 1.3  | 0.18 | 1               |
| 1,1,2-Trichloroethane                                      | ND     |           | ug/kg | 1.3  | 0.35 | 1               |
| Tetrachloroethene  | ND     |           | ug/kg | 0.66 | 0.26 | 1               |
| Chlorobenzene  | ND     |           | ug/kg | 0.66 | 0.17 | 1               |
| Trichlorofluoromethane                                     | ND     |           | ug/kg | 5.2  | 0.91 | 1               |
| 1,2-Dichloroethane   | ND     |           | ug/kg | 1.3  | 0.34 | 1               |
| 1,1,1-Trichloroethane                                      | ND     |           | ug/kg | 0.66 | 0.22 | 1               |
| Bromodichloromethane                                       | ND     |           | ug/kg | 0.66 | 0.14 | 1               |
| trans-1,3-Dichloropropene                                  | ND     |           | ug/kg | 1.3  | 0.36 | 1               |
| cis-1,3-Dichloropropene                                    | ND     |           | ug/kg | 0.66 | 0.21 | 1               |
| 1,3-Dichloropropene, Total                                 | ND     |           | ug/kg | 0.66 | 0.21 | 1               |
| 1,1-Dichloropropene  | ND     |           | ug/kg | 0.66 | 0.21 | 1               |
| Bromoform  | ND     |           | ug/kg | 5.2  | 0.32 | 1               |
| 1,1,2,2-Tetrachloroethane                                  | ND     |           | ug/kg | 0.66 | 0.22 | 1               |
| Benzene  | ND     |           | ug/kg | 0.66 | 0.22 | 1               |
| Toluene  | ND     |           | ug/kg | 1.3  | 0.71 | 1               |
| Ethylbenzene   | ND     |           | ug/kg | 1.3  | 0.18 | 1               |
| Chloromethane  | ND     |           | ug/kg | 5.2  | 1.2  | 1               |
| Bromomethane   | ND     |           | ug/kg | 2.6  | 0.76 | 1               |
| Vinyl chloride   | ND     |           | ug/kg | 1.3  | 0.44 | 1               |
| Chloroethane   | ND     |           | ug/kg | 2.6  | 0.59 | 1               |
| 1,1-Dichloroethene   | ND     |           | ug/kg | 1.3  | 0.31 | 1               |
| trans-1,2-Dichloroethene                                   | ND     |           | ug/kg | 2.0  | 0.18 | 1               |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

## SAMPLE RESULTS

Lab ID: L2230540-06  
 Client ID: SB020(2-4)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 12:10  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |      |                 |
| Trichloroethene                                     | ND     |           | ug/kg | 0.66 | 0.18 | 1               |
| 1,2-Dichlorobenzene                                 | ND     |           | ug/kg | 2.6  | 0.19 | 1               |
| 1,3-Dichlorobenzene                                 | ND     |           | ug/kg | 2.6  | 0.19 | 1               |
| 1,4-Dichlorobenzene                                 | ND     |           | ug/kg | 2.6  | 0.22 | 1               |
| Methyl tert butyl ether                             | ND     |           | ug/kg | 2.6  | 0.26 | 1               |
| p/m-Xylene  | ND     |           | ug/kg | 2.6  | 0.73 | 1               |
| o-Xylene  | ND     |           | ug/kg | 1.3  | 0.38 | 1               |
| Xylenes, Total                                      | ND     |           | ug/kg | 1.3  | 0.38 | 1               |
| cis-1,2-Dichloroethene                              | ND     |           | ug/kg | 1.3  | 0.23 | 1               |
| 1,2-Dichloroethene, Total                           | ND     |           | ug/kg | 1.3  | 0.18 | 1               |
| Dibromomethane                                      | ND     |           | ug/kg | 2.6  | 0.31 | 1               |
| Styrene   | ND     |           | ug/kg | 1.3  | 0.26 | 1               |
| Dichlorodifluoromethane                             | ND     |           | ug/kg | 13   | 1.2  | 1               |
| Acetone   | ND     |           | ug/kg | 13   | 6.3  | 1               |
| Carbon disulfide                                    | ND     |           | ug/kg | 13   | 6.0  | 1               |
| 2-Butanone  | ND     |           | ug/kg | 13   | 2.9  | 1               |
| Vinyl acetate                                       | ND     |           | ug/kg | 13   | 2.8  | 1               |
| 4-Methyl-2-pentanone                                | ND     |           | ug/kg | 13   | 1.7  | 1               |
| 1,2,3-Trichloropropane                              | ND     |           | ug/kg | 2.6  | 0.17 | 1               |
| 2-Hexanone  | ND     |           | ug/kg | 13   | 1.5  | 1               |
| Bromochloromethane                                  | ND     |           | ug/kg | 2.6  | 0.27 | 1               |
| 2,2-Dichloropropane                                 | ND     |           | ug/kg | 2.6  | 0.26 | 1               |
| 1,2-Dibromoethane                                   | ND     |           | ug/kg | 1.3  | 0.36 | 1               |
| 1,3-Dichloropropane                                 | ND     |           | ug/kg | 2.6  | 0.22 | 1               |
| 1,1,1,2-Tetrachloroethane                           | ND     |           | ug/kg | 0.66 | 0.17 | 1               |
| Bromobenzene  | ND     |           | ug/kg | 2.6  | 0.19 | 1               |
| n-Butylbenzene                                      | ND     |           | ug/kg | 1.3  | 0.22 | 1               |
| sec-Butylbenzene                                    | ND     |           | ug/kg | 1.3  | 0.19 | 1               |
| tert-Butylbenzene                                   | ND     |           | ug/kg | 2.6  | 0.15 | 1               |
| o-Chlorotoluene                                     | ND     |           | ug/kg | 2.6  | 0.25 | 1               |
| p-Chlorotoluene                                     | ND     |           | ug/kg | 2.6  | 0.14 | 1               |
| 1,2-Dibromo-3-chloropropane                         | ND     |           | ug/kg | 3.9  | 1.3  | 1               |
| Hexachlorobutadiene                                 | ND     |           | ug/kg | 5.2  | 0.22 | 1               |
| Isopropylbenzene                                    | ND     |           | ug/kg | 1.3  | 0.14 | 1               |
| p-Isopropyltoluene                                  | ND     |           | ug/kg | 1.3  | 0.14 | 1               |
| Naphthalene   | ND     |           | ug/kg | 5.2  | 0.85 | 1               |
| Acrylonitrile                                       | ND     |           | ug/kg | 5.2  | 1.5  | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230540-06  
**Client ID:** SB020(2-4)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 12:10  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/kg | 1.3 | 0.22 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/kg | 2.6 | 0.42 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/kg | 2.6 | 0.36 | 1               |
| 1,3,5-Trimethylbenzene                              | ND     |           | ug/kg | 2.6 | 0.25 | 1               |
| 1,2,4-Trimethylbenzene                              | ND     |           | ug/kg | 2.6 | 0.44 | 1               |
| 1,4-Dioxane   | ND     |           | ug/kg | 100 | 46.  | 1               |
| p-Diethylbenzene                                    | ND     |           | ug/kg | 2.6 | 0.23 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/kg | 2.6 | 0.50 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | ND     |           | ug/kg | 2.6 | 0.25 | 1               |
| Ethyl ether   | ND     |           | ug/kg | 2.6 | 0.45 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/kg | 6.6 | 1.9  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 113        |           | 70-130              |
| Toluene-d8            | 98         |           | 70-130              |
| 4-Bromofluorobenzene  | 103        |           | 70-130              |
| Dibromofluoromethane  | 112        |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230540-07  
**Client ID:** DUP\_060922  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 11:00  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 06/14/22 10:15  
**Analyst:** JC  
**Percent Solids:** 94%

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride   | ND     |           | ug/kg | 6.5  | 3.0  | 1               |
| 1,1-Dichloroethane   | ND     |           | ug/kg | 1.3  | 0.19 | 1               |
| Chloroform   | ND     |           | ug/kg | 2.0  | 0.18 | 1               |
| Carbon tetrachloride                                       | ND     |           | ug/kg | 1.3  | 0.30 | 1               |
| 1,2-Dichloropropane  | ND     |           | ug/kg | 1.3  | 0.16 | 1               |
| Dibromochloromethane                                       | ND     |           | ug/kg | 1.3  | 0.18 | 1               |
| 1,1,2-Trichloroethane                                      | ND     |           | ug/kg | 1.3  | 0.35 | 1               |
| Tetrachloroethene  | ND     |           | ug/kg | 0.65 | 0.26 | 1               |
| Chlorobenzene  | ND     |           | ug/kg | 0.65 | 0.16 | 1               |
| Trichlorofluoromethane                                     | ND     |           | ug/kg | 5.2  | 0.91 | 1               |
| 1,2-Dichloroethane   | ND     |           | ug/kg | 1.3  | 0.34 | 1               |
| 1,1,1-Trichloroethane                                      | ND     |           | ug/kg | 0.65 | 0.22 | 1               |
| Bromodichloromethane                                       | ND     |           | ug/kg | 0.65 | 0.14 | 1               |
| trans-1,3-Dichloropropene                                  | ND     |           | ug/kg | 1.3  | 0.36 | 1               |
| cis-1,3-Dichloropropene                                    | ND     |           | ug/kg | 0.65 | 0.21 | 1               |
| 1,3-Dichloropropene, Total                                 | ND     |           | ug/kg | 0.65 | 0.21 | 1               |
| 1,1-Dichloropropene  | ND     |           | ug/kg | 0.65 | 0.21 | 1               |
| Bromoform  | ND     |           | ug/kg | 5.2  | 0.32 | 1               |
| 1,1,2,2-Tetrachloroethane                                  | ND     |           | ug/kg | 0.65 | 0.22 | 1               |
| Benzene  | ND     |           | ug/kg | 0.65 | 0.22 | 1               |
| Toluene  | ND     |           | ug/kg | 1.3  | 0.71 | 1               |
| Ethylbenzene   | ND     |           | ug/kg | 1.3  | 0.18 | 1               |
| Chloromethane  | ND     |           | ug/kg | 5.2  | 1.2  | 1               |
| Bromomethane   | ND     |           | ug/kg | 2.6  | 0.76 | 1               |
| Vinyl chloride   | ND     |           | ug/kg | 1.3  | 0.44 | 1               |
| Chloroethane   | ND     |           | ug/kg | 2.6  | 0.59 | 1               |
| 1,1-Dichloroethene   | ND     |           | ug/kg | 1.3  | 0.31 | 1               |
| trans-1,2-Dichloroethene                                   | ND     |           | ug/kg | 2.0  | 0.18 | 1               |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

## SAMPLE RESULTS

Lab ID: L2230540-07  
 Client ID: DUP\_060922  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 11:00  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |      |                 |
| Trichloroethene                                     | 0.32   | J         | ug/kg | 0.65 | 0.18 | 1               |
| 1,2-Dichlorobenzene                                 | ND     |           | ug/kg | 2.6  | 0.19 | 1               |
| 1,3-Dichlorobenzene                                 | ND     |           | ug/kg | 2.6  | 0.19 | 1               |
| 1,4-Dichlorobenzene                                 | ND     |           | ug/kg | 2.6  | 0.22 | 1               |
| Methyl tert butyl ether                             | ND     |           | ug/kg | 2.6  | 0.26 | 1               |
| p/m-Xylene  | ND     |           | ug/kg | 2.6  | 0.73 | 1               |
| o-Xylene  | ND     |           | ug/kg | 1.3  | 0.38 | 1               |
| Xylenes, Total                                      | ND     |           | ug/kg | 1.3  | 0.38 | 1               |
| cis-1,2-Dichloroethene                              | ND     |           | ug/kg | 1.3  | 0.23 | 1               |
| 1,2-Dichloroethene, Total                           | ND     |           | ug/kg | 1.3  | 0.18 | 1               |
| Dibromomethane                                      | ND     |           | ug/kg | 2.6  | 0.31 | 1               |
| Styrene   | ND     |           | ug/kg | 1.3  | 0.26 | 1               |
| Dichlorodifluoromethane                             | ND     |           | ug/kg | 13   | 1.2  | 1               |
| Acetone   | ND     |           | ug/kg | 13   | 6.3  | 1               |
| Carbon disulfide                                    | ND     |           | ug/kg | 13   | 5.9  | 1               |
| 2-Butanone  | ND     |           | ug/kg | 13   | 2.9  | 1               |
| Vinyl acetate                                       | ND     |           | ug/kg | 13   | 2.8  | 1               |
| 4-Methyl-2-pentanone                                | ND     |           | ug/kg | 13   | 1.7  | 1               |
| 1,2,3-Trichloropropane                              | ND     |           | ug/kg | 2.6  | 0.16 | 1               |
| 2-Hexanone  | ND     |           | ug/kg | 13   | 1.5  | 1               |
| Bromochloromethane                                  | ND     |           | ug/kg | 2.6  | 0.27 | 1               |
| 2,2-Dichloropropane                                 | ND     |           | ug/kg | 2.6  | 0.26 | 1               |
| 1,2-Dibromoethane                                   | ND     |           | ug/kg | 1.3  | 0.36 | 1               |
| 1,3-Dichloropropane                                 | ND     |           | ug/kg | 2.6  | 0.22 | 1               |
| 1,1,1,2-Tetrachloroethane                           | ND     |           | ug/kg | 0.65 | 0.17 | 1               |
| Bromobenzene  | ND     |           | ug/kg | 2.6  | 0.19 | 1               |
| n-Butylbenzene                                      | ND     |           | ug/kg | 1.3  | 0.22 | 1               |
| sec-Butylbenzene                                    | ND     |           | ug/kg | 1.3  | 0.19 | 1               |
| tert-Butylbenzene                                   | ND     |           | ug/kg | 2.6  | 0.15 | 1               |
| o-Chlorotoluene                                     | ND     |           | ug/kg | 2.6  | 0.25 | 1               |
| p-Chlorotoluene                                     | ND     |           | ug/kg | 2.6  | 0.14 | 1               |
| 1,2-Dibromo-3-chloropropane                         | ND     |           | ug/kg | 3.9  | 1.3  | 1               |
| Hexachlorobutadiene                                 | ND     |           | ug/kg | 5.2  | 0.22 | 1               |
| Isopropylbenzene                                    | ND     |           | ug/kg | 1.3  | 0.14 | 1               |
| p-Isopropyltoluene                                  | ND     |           | ug/kg | 1.3  | 0.14 | 1               |
| Naphthalene   | ND     |           | ug/kg | 5.2  | 0.85 | 1               |
| Acrylonitrile                                       | ND     |           | ug/kg | 5.2  | 1.5  | 1               |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230540-07  
**Client ID:** DUP\_060922  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 11:00  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/kg | 1.3 | 0.22 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/kg | 2.6 | 0.42 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/kg | 2.6 | 0.36 | 1               |
| 1,3,5-Trimethylbenzene                              | ND     |           | ug/kg | 2.6 | 0.25 | 1               |
| 1,2,4-Trimethylbenzene                              | ND     |           | ug/kg | 2.6 | 0.44 | 1               |
| 1,4-Dioxane   | ND     |           | ug/kg | 100 | 46.  | 1               |
| p-Diethylbenzene                                    | ND     |           | ug/kg | 2.6 | 0.23 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/kg | 2.6 | 0.50 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | ND     |           | ug/kg | 2.6 | 0.25 | 1               |
| Ethyl ether   | ND     |           | ug/kg | 2.6 | 0.44 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/kg | 6.5 | 1.8  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 109        |           | 70-130              |
| Toluene-d8            | 100        |           | 70-130              |
| 4-Bromofluorobenzene  | 105        |           | 70-130              |
| Dibromofluoromethane  | 109        |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230540-08  
 Client ID: SB021(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 14:00  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 06/14/22 09:49  
 Analyst: JC  
 Percent Solids: 94%

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride   | ND     |           | ug/kg | 7.0  | 3.2  | 1               |
| 1,1-Dichloroethane   | ND     |           | ug/kg | 1.4  | 0.20 | 1               |
| Chloroform   | ND     |           | ug/kg | 2.1  | 0.20 | 1               |
| Carbon tetrachloride                                       | ND     |           | ug/kg | 1.4  | 0.32 | 1               |
| 1,2-Dichloropropane  | ND     |           | ug/kg | 1.4  | 0.18 | 1               |
| Dibromochloromethane                                       | ND     |           | ug/kg | 1.4  | 0.20 | 1               |
| 1,1,2-Trichloroethane                                      | ND     |           | ug/kg | 1.4  | 0.38 | 1               |
| Tetrachloroethene  | ND     |           | ug/kg | 0.70 | 0.28 | 1               |
| Chlorobenzene  | ND     |           | ug/kg | 0.70 | 0.18 | 1               |
| Trichlorofluoromethane                                     | ND     |           | ug/kg | 5.6  | 0.98 | 1               |
| 1,2-Dichloroethane   | ND     |           | ug/kg | 1.4  | 0.36 | 1               |
| 1,1,1-Trichloroethane                                      | ND     |           | ug/kg | 0.70 | 0.23 | 1               |
| Bromodichloromethane                                       | ND     |           | ug/kg | 0.70 | 0.15 | 1               |
| trans-1,3-Dichloropropene                                  | ND     |           | ug/kg | 1.4  | 0.38 | 1               |
| cis-1,3-Dichloropropene                                    | ND     |           | ug/kg | 0.70 | 0.22 | 1               |
| 1,3-Dichloropropene, Total                                 | ND     |           | ug/kg | 0.70 | 0.22 | 1               |
| 1,1-Dichloropropene  | ND     |           | ug/kg | 0.70 | 0.22 | 1               |
| Bromoform  | ND     |           | ug/kg | 5.6  | 0.34 | 1               |
| 1,1,2,2-Tetrachloroethane                                  | ND     |           | ug/kg | 0.70 | 0.23 | 1               |
| Benzene  | ND     |           | ug/kg | 0.70 | 0.23 | 1               |
| Toluene  | ND     |           | ug/kg | 1.4  | 0.76 | 1               |
| Ethylbenzene   | ND     |           | ug/kg | 1.4  | 0.20 | 1               |
| Chloromethane  | ND     |           | ug/kg | 5.6  | 1.3  | 1               |
| Bromomethane   | ND     |           | ug/kg | 2.8  | 0.82 | 1               |
| Vinyl chloride   | ND     |           | ug/kg | 1.4  | 0.47 | 1               |
| Chloroethane   | ND     |           | ug/kg | 2.8  | 0.64 | 1               |
| 1,1-Dichloroethene   | ND     |           | ug/kg | 1.4  | 0.33 | 1               |
| trans-1,2-Dichloroethene                                   | ND     |           | ug/kg | 2.1  | 0.19 | 1               |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

## SAMPLE RESULTS

Lab ID: L2230540-08  
 Client ID: SB021(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 14:00  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |      |                 |
| Trichloroethene                                     | 0.45   | J         | ug/kg | 0.70 | 0.19 | 1               |
| 1,2-Dichlorobenzene                                 | ND     |           | ug/kg | 2.8  | 0.20 | 1               |
| 1,3-Dichlorobenzene                                 | ND     |           | ug/kg | 2.8  | 0.21 | 1               |
| 1,4-Dichlorobenzene                                 | ND     |           | ug/kg | 2.8  | 0.24 | 1               |
| Methyl tert butyl ether                             | ND     |           | ug/kg | 2.8  | 0.28 | 1               |
| p/m-Xylene  | ND     |           | ug/kg | 2.8  | 0.79 | 1               |
| o-Xylene  | ND     |           | ug/kg | 1.4  | 0.41 | 1               |
| Xylenes, Total                                      | ND     |           | ug/kg | 1.4  | 0.41 | 1               |
| cis-1,2-Dichloroethene                              | ND     |           | ug/kg | 1.4  | 0.25 | 1               |
| 1,2-Dichloroethene, Total                           | ND     |           | ug/kg | 1.4  | 0.19 | 1               |
| Dibromomethane                                      | ND     |           | ug/kg | 2.8  | 0.33 | 1               |
| Styrene   | ND     |           | ug/kg | 1.4  | 0.28 | 1               |
| Dichlorodifluoromethane                             | ND     |           | ug/kg | 14   | 1.3  | 1               |
| Acetone   | ND     |           | ug/kg | 14   | 6.8  | 1               |
| Carbon disulfide                                    | ND     |           | ug/kg | 14   | 6.4  | 1               |
| 2-Butanone  | ND     |           | ug/kg | 14   | 3.1  | 1               |
| Vinyl acetate                                       | ND     |           | ug/kg | 14   | 3.0  | 1               |
| 4-Methyl-2-pentanone                                | ND     |           | ug/kg | 14   | 1.8  | 1               |
| 1,2,3-Trichloropropane                              | ND     |           | ug/kg | 2.8  | 0.18 | 1               |
| 2-Hexanone  | ND     |           | ug/kg | 14   | 1.6  | 1               |
| Bromochloromethane                                  | ND     |           | ug/kg | 2.8  | 0.29 | 1               |
| 2,2-Dichloropropane                                 | ND     |           | ug/kg | 2.8  | 0.28 | 1               |
| 1,2-Dibromoethane                                   | ND     |           | ug/kg | 1.4  | 0.39 | 1               |
| 1,3-Dichloropropane                                 | ND     |           | ug/kg | 2.8  | 0.23 | 1               |
| 1,1,1,2-Tetrachloroethane                           | ND     |           | ug/kg | 0.70 | 0.18 | 1               |
| Bromobenzene  | ND     |           | ug/kg | 2.8  | 0.20 | 1               |
| n-Butylbenzene                                      | ND     |           | ug/kg | 1.4  | 0.23 | 1               |
| sec-Butylbenzene                                    | ND     |           | ug/kg | 1.4  | 0.20 | 1               |
| tert-Butylbenzene                                   | ND     |           | ug/kg | 2.8  | 0.16 | 1               |
| o-Chlorotoluene                                     | ND     |           | ug/kg | 2.8  | 0.27 | 1               |
| p-Chlorotoluene                                     | ND     |           | ug/kg | 2.8  | 0.15 | 1               |
| 1,2-Dibromo-3-chloropropane                         | ND     |           | ug/kg | 4.2  | 1.4  | 1               |
| Hexachlorobutadiene                                 | ND     |           | ug/kg | 5.6  | 0.24 | 1               |
| Isopropylbenzene                                    | ND     |           | ug/kg | 1.4  | 0.15 | 1               |
| p-Isopropyltoluene                                  | ND     |           | ug/kg | 1.4  | 0.15 | 1               |
| Naphthalene   | ND     |           | ug/kg | 5.6  | 0.91 | 1               |
| Acrylonitrile                                       | ND     |           | ug/kg | 5.6  | 1.6  | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230540-08  
**Client ID:** SB021(0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 14:00  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/kg | 1.4 | 0.24 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/kg | 2.8 | 0.45 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/kg | 2.8 | 0.38 | 1               |
| 1,3,5-Trimethylbenzene                              | ND     |           | ug/kg | 2.8 | 0.27 | 1               |
| 1,2,4-Trimethylbenzene                              | ND     |           | ug/kg | 2.8 | 0.47 | 1               |
| 1,4-Dioxane   | ND     |           | ug/kg | 110 | 49.  | 1               |
| p-Diethylbenzene                                    | ND     |           | ug/kg | 2.8 | 0.25 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/kg | 2.8 | 0.54 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | ND     |           | ug/kg | 2.8 | 0.27 | 1               |
| Ethyl ether   | ND     |           | ug/kg | 2.8 | 0.48 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/kg | 7.0 | 2.0  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 106        |           | 70-130              |
| Toluene-d8            | 102        |           | 70-130              |
| 4-Bromofluorobenzene  | 112        |           | 70-130              |
| Dibromofluoromethane  | 109        |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230540-09  
 Client ID: SB021(2-4)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 14:10  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 06/14/22 09:23  
 Analyst: JC  
 Percent Solids: 94%

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride   | ND     |           | ug/kg | 6.3  | 2.9  | 1               |
| 1,1-Dichloroethane   | ND     |           | ug/kg | 1.3  | 0.18 | 1               |
| Chloroform   | ND     |           | ug/kg | 1.9  | 0.18 | 1               |
| Carbon tetrachloride                                       | ND     |           | ug/kg | 1.3  | 0.29 | 1               |
| 1,2-Dichloropropane  | ND     |           | ug/kg | 1.3  | 0.16 | 1               |
| Dibromochloromethane                                       | ND     |           | ug/kg | 1.3  | 0.18 | 1               |
| 1,1,2-Trichloroethane                                      | ND     |           | ug/kg | 1.3  | 0.34 | 1               |
| Tetrachloroethene  | ND     |           | ug/kg | 0.63 | 0.25 | 1               |
| Chlorobenzene  | ND     |           | ug/kg | 0.63 | 0.16 | 1               |
| Trichlorofluoromethane                                     | ND     |           | ug/kg | 5.0  | 0.88 | 1               |
| 1,2-Dichloroethane   | ND     |           | ug/kg | 1.3  | 0.32 | 1               |
| 1,1,1-Trichloroethane                                      | ND     |           | ug/kg | 0.63 | 0.21 | 1               |
| Bromodichloromethane                                       | ND     |           | ug/kg | 0.63 | 0.14 | 1               |
| trans-1,3-Dichloropropene                                  | ND     |           | ug/kg | 1.3  | 0.34 | 1               |
| cis-1,3-Dichloropropene                                    | ND     |           | ug/kg | 0.63 | 0.20 | 1               |
| 1,3-Dichloropropene, Total                                 | ND     |           | ug/kg | 0.63 | 0.20 | 1               |
| 1,1-Dichloropropene  | ND     |           | ug/kg | 0.63 | 0.20 | 1               |
| Bromoform  | ND     |           | ug/kg | 5.0  | 0.31 | 1               |
| 1,1,2,2-Tetrachloroethane                                  | ND     |           | ug/kg | 0.63 | 0.21 | 1               |
| Benzene  | ND     |           | ug/kg | 0.63 | 0.21 | 1               |
| Toluene  | ND     |           | ug/kg | 1.3  | 0.68 | 1               |
| Ethylbenzene   | ND     |           | ug/kg | 1.3  | 0.18 | 1               |
| Chloromethane  | ND     |           | ug/kg | 5.0  | 1.2  | 1               |
| Bromomethane   | ND     |           | ug/kg | 2.5  | 0.73 | 1               |
| Vinyl chloride   | ND     |           | ug/kg | 1.3  | 0.42 | 1               |
| Chloroethane   | ND     |           | ug/kg | 2.5  | 0.57 | 1               |
| 1,1-Dichloroethene   | ND     |           | ug/kg | 1.3  | 0.30 | 1               |
| trans-1,2-Dichloroethene                                   | ND     |           | ug/kg | 1.9  | 0.17 | 1               |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2230540**Project Number:** 3883.0001Y000**Report Date:** 06/23/22**SAMPLE RESULTS**

Lab ID: L2230540-09  
 Client ID: SB021(2-4)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 14:10  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| <b>Volatiles Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Trichloroethene   | ND     |           | ug/kg | 0.63 | 0.17 | 1               |
| 1,2-Dichlorobenzene   | ND     |           | ug/kg | 2.5  | 0.18 | 1               |
| 1,3-Dichlorobenzene   | ND     |           | ug/kg | 2.5  | 0.19 | 1               |
| 1,4-Dichlorobenzene   | ND     |           | ug/kg | 2.5  | 0.22 | 1               |
| Methyl tert butyl ether                                     | ND     |           | ug/kg | 2.5  | 0.25 | 1               |
| p/m-Xylene  | ND     |           | ug/kg | 2.5  | 0.71 | 1               |
| o-Xylene  | ND     |           | ug/kg | 1.3  | 0.37 | 1               |
| Xylenes, Total  | ND     |           | ug/kg | 1.3  | 0.37 | 1               |
| cis-1,2-Dichloroethene                                      | ND     |           | ug/kg | 1.3  | 0.22 | 1               |
| 1,2-Dichloroethene, Total                                   | ND     |           | ug/kg | 1.3  | 0.17 | 1               |
| Dibromomethane  | ND     |           | ug/kg | 2.5  | 0.30 | 1               |
| Styrene   | ND     |           | ug/kg | 1.3  | 0.25 | 1               |
| Dichlorodifluoromethane                                     | ND     |           | ug/kg | 13   | 1.2  | 1               |
| Acetone   | ND     |           | ug/kg | 13   | 6.1  | 1               |
| Carbon disulfide  | ND     |           | ug/kg | 13   | 5.7  | 1               |
| 2-Butanone  | ND     |           | ug/kg | 13   | 2.8  | 1               |
| Vinyl acetate   | ND     |           | ug/kg | 13   | 2.7  | 1               |
| 4-Methyl-2-pentanone  | ND     |           | ug/kg | 13   | 1.6  | 1               |
| 1,2,3-Trichloropropane                                      | ND     |           | ug/kg | 2.5  | 0.16 | 1               |
| 2-Hexanone  | ND     |           | ug/kg | 13   | 1.5  | 1               |
| Bromochloromethane  | ND     |           | ug/kg | 2.5  | 0.26 | 1               |
| 2,2-Dichloropropane   | ND     |           | ug/kg | 2.5  | 0.25 | 1               |
| 1,2-Dibromoethane   | ND     |           | ug/kg | 1.3  | 0.35 | 1               |
| 1,3-Dichloropropane   | ND     |           | ug/kg | 2.5  | 0.21 | 1               |
| 1,1,1,2-Tetrachloroethane                                   | ND     |           | ug/kg | 0.63 | 0.17 | 1               |
| Bromobenzene  | ND     |           | ug/kg | 2.5  | 0.18 | 1               |
| n-Butylbenzene  | ND     |           | ug/kg | 1.3  | 0.21 | 1               |
| sec-Butylbenzene  | ND     |           | ug/kg | 1.3  | 0.18 | 1               |
| tert-Butylbenzene   | ND     |           | ug/kg | 2.5  | 0.15 | 1               |
| o-Chlorotoluene   | ND     |           | ug/kg | 2.5  | 0.24 | 1               |
| p-Chlorotoluene   | ND     |           | ug/kg | 2.5  | 0.14 | 1               |
| 1,2-Dibromo-3-chloropropane                                 | ND     |           | ug/kg | 3.8  | 1.2  | 1               |
| Hexachlorobutadiene   | ND     |           | ug/kg | 5.0  | 0.21 | 1               |
| Isopropylbenzene  | ND     |           | ug/kg | 1.3  | 0.14 | 1               |
| p-Isopropyltoluene  | ND     |           | ug/kg | 1.3  | 0.14 | 1               |
| Naphthalene   | ND     |           | ug/kg | 5.0  | 0.82 | 1               |
| Acrylonitrile   | ND     |           | ug/kg | 5.0  | 1.4  | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230540-09  
**Client ID:** SB021(2-4)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 14:10  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/kg | 1.3 | 0.22 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/kg | 2.5 | 0.41 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/kg | 2.5 | 0.34 | 1               |
| 1,3,5-Trimethylbenzene                              | ND     |           | ug/kg | 2.5 | 0.24 | 1               |
| 1,2,4-Trimethylbenzene                              | ND     |           | ug/kg | 2.5 | 0.42 | 1               |
| 1,4-Dioxane   | ND     |           | ug/kg | 100 | 44.  | 1               |
| p-Diethylbenzene                                    | ND     |           | ug/kg | 2.5 | 0.22 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/kg | 2.5 | 0.48 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | ND     |           | ug/kg | 2.5 | 0.24 | 1               |
| Ethyl ether   | ND     |           | ug/kg | 2.5 | 0.43 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/kg | 6.3 | 1.8  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 105        |           | 70-130              |
| Toluene-d8            | 98         |           | 70-130              |
| 4-Bromofluorobenzene  | 104        |           | 70-130              |
| Dibromofluoromethane  | 107        |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 06/13/22 08:49  
Analyst: NLK

| Parameter   | Result | Qualifier | Units | RL   | MDL  |
|---|--------|-----------|-------|------|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03-04 Batch: WG1650272-5 |        |           |       |      |      |
| Methylene chloride  | ND     |           | ug/kg | 5.0  | 2.3  |
| 1,1-Dichloroethane  | ND     |           | ug/kg | 1.0  | 0.14 |
| Chloroform  | 0.15   | J         | ug/kg | 1.5  | 0.14 |
| Carbon tetrachloride  | ND     |           | ug/kg | 1.0  | 0.23 |
| 1,2-Dichloropropane   | ND     |           | ug/kg | 1.0  | 0.12 |
| Dibromochloromethane  | ND     |           | ug/kg | 1.0  | 0.14 |
| 1,1,2-Trichloroethane   | ND     |           | ug/kg | 1.0  | 0.27 |
| Tetrachloroethene   | ND     |           | ug/kg | 0.50 | 0.20 |
| Chlorobenzene   | ND     |           | ug/kg | 0.50 | 0.13 |
| Trichlorofluoromethane  | ND     |           | ug/kg | 4.0  | 0.70 |
| 1,2-Dichloroethane  | ND     |           | ug/kg | 1.0  | 0.26 |
| 1,1,1-Trichloroethane   | ND     |           | ug/kg | 0.50 | 0.17 |
| Bromodichloromethane  | ND     |           | ug/kg | 0.50 | 0.11 |
| trans-1,3-Dichloropropene   | ND     |           | ug/kg | 1.0  | 0.27 |
| cis-1,3-Dichloropropene   | ND     |           | ug/kg | 0.50 | 0.16 |
| 1,3-Dichloropropene, Total  | ND     |           | ug/kg | 0.50 | 0.16 |
| 1,1-Dichloropropene   | ND     |           | ug/kg | 0.50 | 0.16 |
| Bromoform   | ND     |           | ug/kg | 4.0  | 0.25 |
| 1,1,2,2-Tetrachloroethane   | ND     |           | ug/kg | 0.50 | 0.17 |
| Benzene   | ND     |           | ug/kg | 0.50 | 0.17 |
| Toluene   | ND     |           | ug/kg | 1.0  | 0.54 |
| Ethylbenzene  | ND     |           | ug/kg | 1.0  | 0.14 |
| Chloromethane   | ND     |           | ug/kg | 4.0  | 0.93 |
| Bromomethane  | ND     |           | ug/kg | 2.0  | 0.58 |
| Vinyl chloride  | ND     |           | ug/kg | 1.0  | 0.34 |
| Chloroethane  | ND     |           | ug/kg | 2.0  | 0.45 |
| 1,1-Dichloroethene  | ND     |           | ug/kg | 1.0  | 0.24 |
| trans-1,2-Dichloroethene  | ND     |           | ug/kg | 1.5  | 0.14 |
| Trichloroethene   | ND     |           | ug/kg | 0.50 | 0.14 |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 06/13/22 08:49  
Analyst: NLK

| Parameter   | Result | Qualifier | Units | RL   | MDL  |
|---|--------|-----------|-------|------|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03-04 Batch: WG1650272-5 |        |           |       |      |      |
| 1,2-Dichlorobenzene   | ND     |           | ug/kg | 2.0  | 0.14 |
| 1,3-Dichlorobenzene   | ND     |           | ug/kg | 2.0  | 0.15 |
| 1,4-Dichlorobenzene   | ND     |           | ug/kg | 2.0  | 0.17 |
| Methyl tert butyl ether   | ND     |           | ug/kg | 2.0  | 0.20 |
| p/m-Xylene  | ND     |           | ug/kg | 2.0  | 0.56 |
| o-Xylene  | ND     |           | ug/kg | 1.0  | 0.29 |
| Xylenes, Total  | ND     |           | ug/kg | 1.0  | 0.29 |
| cis-1,2-Dichloroethene  | ND     |           | ug/kg | 1.0  | 0.18 |
| 1,2-Dichloroethene, Total   | ND     |           | ug/kg | 1.0  | 0.14 |
| Dibromomethane  | ND     |           | ug/kg | 2.0  | 0.24 |
| Styrene   | ND     |           | ug/kg | 1.0  | 0.20 |
| Dichlorodifluoromethane   | ND     |           | ug/kg | 10   | 0.92 |
| Acetone   | ND     |           | ug/kg | 10   | 4.8  |
| Carbon disulfide  | ND     |           | ug/kg | 10   | 4.6  |
| 2-Butanone  | ND     |           | ug/kg | 10   | 2.2  |
| Vinyl acetate   | ND     |           | ug/kg | 10   | 2.2  |
| 4-Methyl-2-pentanone  | ND     |           | ug/kg | 10   | 1.3  |
| 1,2,3-Trichloropropane  | ND     |           | ug/kg | 2.0  | 0.13 |
| 2-Hexanone  | ND     |           | ug/kg | 10   | 1.2  |
| Bromochloromethane  | ND     |           | ug/kg | 2.0  | 0.20 |
| 2,2-Dichloropropane   | ND     |           | ug/kg | 2.0  | 0.20 |
| 1,2-Dibromoethane   | ND     |           | ug/kg | 1.0  | 0.28 |
| 1,3-Dichloropropane   | ND     |           | ug/kg | 2.0  | 0.17 |
| 1,1,1,2-Tetrachloroethane   | ND     |           | ug/kg | 0.50 | 0.13 |
| Bromobenzene  | ND     |           | ug/kg | 2.0  | 0.14 |
| n-Butylbenzene  | ND     |           | ug/kg | 1.0  | 0.17 |
| sec-Butylbenzene  | ND     |           | ug/kg | 1.0  | 0.15 |
| tert-Butylbenzene   | ND     |           | ug/kg | 2.0  | 0.12 |
| o-Chlorotoluene   | ND     |           | ug/kg | 2.0  | 0.19 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 06/13/22 08:49  
Analyst: NLK

| Parameter   | Result | Qualifier | Units | RL  | MDL  |
|---|--------|-----------|-------|-----|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03-04 Batch: WG1650272-5 |        |           |       |     |      |
| p-Chlorotoluene   | ND     |           | ug/kg | 2.0 | 0.11 |
| 1,2-Dibromo-3-chloropropane   | ND     |           | ug/kg | 3.0 | 1.0  |
| Hexachlorobutadiene   | ND     |           | ug/kg | 4.0 | 0.17 |
| Isopropylbenzene  | ND     |           | ug/kg | 1.0 | 0.11 |
| p-Isopropyltoluene  | ND     |           | ug/kg | 1.0 | 0.11 |
| Naphthalene   | ND     |           | ug/kg | 4.0 | 0.65 |
| Acrylonitrile   | ND     |           | ug/kg | 4.0 | 1.2  |
| n-Propylbenzene   | ND     |           | ug/kg | 1.0 | 0.17 |
| 1,2,3-Trichlorobenzene  | ND     |           | ug/kg | 2.0 | 0.32 |
| 1,2,4-Trichlorobenzene  | ND     |           | ug/kg | 2.0 | 0.27 |
| 1,3,5-Trimethylbenzene  | ND     |           | ug/kg | 2.0 | 0.19 |
| 1,2,4-Trimethylbenzene  | ND     |           | ug/kg | 2.0 | 0.33 |
| 1,4-Dioxane   | ND     |           | ug/kg | 80  | 35.  |
| p-Diethylbenzene  | ND     |           | ug/kg | 2.0 | 0.18 |
| p-Ethyltoluene  | ND     |           | ug/kg | 2.0 | 0.38 |
| 1,2,4,5-Tetramethylbenzene  | ND     |           | ug/kg | 2.0 | 0.19 |
| Ethyl ether   | ND     |           | ug/kg | 2.0 | 0.34 |
| trans-1,4-Dichloro-2-butene   | ND     |           | ug/kg | 5.0 | 1.4  |

| Surrogate             | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 99        |           | 70-130              |
| Toluene-d8            | 98        |           | 70-130              |
| 4-Bromofluorobenzene  | 99        |           | 70-130              |
| Dibromofluoromethane  | 101       |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 06/14/22 08:56  
Analyst: NLK

| Parameter   | Result | Qualifier | Units | RL   | MDL  |
|---|--------|-----------|-------|------|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,05-09 Batch: WG1650831-5 |        |           |       |      |      |
| Methylene chloride  | ND     |           | ug/kg | 5.0  | 2.3  |
| 1,1-Dichloroethane  | ND     |           | ug/kg | 1.0  | 0.14 |
| Chloroform  | ND     |           | ug/kg | 1.5  | 0.14 |
| Carbon tetrachloride  | ND     |           | ug/kg | 1.0  | 0.23 |
| 1,2-Dichloropropane   | ND     |           | ug/kg | 1.0  | 0.12 |
| Dibromochloromethane  | ND     |           | ug/kg | 1.0  | 0.14 |
| 1,1,2-Trichloroethane   | ND     |           | ug/kg | 1.0  | 0.27 |
| Tetrachloroethene   | ND     |           | ug/kg | 0.50 | 0.20 |
| Chlorobenzene   | ND     |           | ug/kg | 0.50 | 0.13 |
| Trichlorofluoromethane  | ND     |           | ug/kg | 4.0  | 0.70 |
| 1,2-Dichloroethane  | ND     |           | ug/kg | 1.0  | 0.26 |
| 1,1,1-Trichloroethane   | ND     |           | ug/kg | 0.50 | 0.17 |
| Bromodichloromethane  | ND     |           | ug/kg | 0.50 | 0.11 |
| trans-1,3-Dichloropropene   | ND     |           | ug/kg | 1.0  | 0.27 |
| cis-1,3-Dichloropropene   | ND     |           | ug/kg | 0.50 | 0.16 |
| 1,3-Dichloropropene, Total  | ND     |           | ug/kg | 0.50 | 0.16 |
| 1,1-Dichloropropene   | ND     |           | ug/kg | 0.50 | 0.16 |
| Bromoform   | ND     |           | ug/kg | 4.0  | 0.25 |
| 1,1,2,2-Tetrachloroethane   | ND     |           | ug/kg | 0.50 | 0.17 |
| Benzene   | ND     |           | ug/kg | 0.50 | 0.17 |
| Toluene   | ND     |           | ug/kg | 1.0  | 0.54 |
| Ethylbenzene  | ND     |           | ug/kg | 1.0  | 0.14 |
| Chloromethane   | ND     |           | ug/kg | 4.0  | 0.93 |
| Bromomethane  | ND     |           | ug/kg | 2.0  | 0.58 |
| Vinyl chloride  | ND     |           | ug/kg | 1.0  | 0.34 |
| Chloroethane  | ND     |           | ug/kg | 2.0  | 0.45 |
| 1,1-Dichloroethene  | ND     |           | ug/kg | 1.0  | 0.24 |
| trans-1,2-Dichloroethene  | ND     |           | ug/kg | 1.5  | 0.14 |
| Trichloroethene   | ND     |           | ug/kg | 0.50 | 0.14 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 06/14/22 08:56  
Analyst: NLK

| Parameter   | Result | Qualifier | Units | RL   | MDL  |
|---|--------|-----------|-------|------|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,05-09 Batch: WG1650831-5 |        |           |       |      |      |
| 1,2-Dichlorobenzene   | ND     |           | ug/kg | 2.0  | 0.14 |
| 1,3-Dichlorobenzene   | ND     |           | ug/kg | 2.0  | 0.15 |
| 1,4-Dichlorobenzene   | ND     |           | ug/kg | 2.0  | 0.17 |
| Methyl tert butyl ether   | ND     |           | ug/kg | 2.0  | 0.20 |
| p/m-Xylene  | ND     |           | ug/kg | 2.0  | 0.56 |
| o-Xylene  | ND     |           | ug/kg | 1.0  | 0.29 |
| Xylenes, Total  | ND     |           | ug/kg | 1.0  | 0.29 |
| cis-1,2-Dichloroethene  | ND     |           | ug/kg | 1.0  | 0.18 |
| 1,2-Dichloroethene, Total   | ND     |           | ug/kg | 1.0  | 0.14 |
| Dibromomethane  | ND     |           | ug/kg | 2.0  | 0.24 |
| Styrene   | ND     |           | ug/kg | 1.0  | 0.20 |
| Dichlorodifluoromethane   | ND     |           | ug/kg | 10   | 0.92 |
| Acetone   | ND     |           | ug/kg | 10   | 4.8  |
| Carbon disulfide  | ND     |           | ug/kg | 10   | 4.6  |
| 2-Butanone  | ND     |           | ug/kg | 10   | 2.2  |
| Vinyl acetate   | ND     |           | ug/kg | 10   | 2.2  |
| 4-Methyl-2-pentanone  | ND     |           | ug/kg | 10   | 1.3  |
| 1,2,3-Trichloropropane  | ND     |           | ug/kg | 2.0  | 0.13 |
| 2-Hexanone  | ND     |           | ug/kg | 10   | 1.2  |
| Bromochloromethane  | ND     |           | ug/kg | 2.0  | 0.20 |
| 2,2-Dichloropropane   | ND     |           | ug/kg | 2.0  | 0.20 |
| 1,2-Dibromoethane   | ND     |           | ug/kg | 1.0  | 0.28 |
| 1,3-Dichloropropane   | ND     |           | ug/kg | 2.0  | 0.17 |
| 1,1,1,2-Tetrachloroethane   | ND     |           | ug/kg | 0.50 | 0.13 |
| Bromobenzene  | ND     |           | ug/kg | 2.0  | 0.14 |
| n-Butylbenzene  | ND     |           | ug/kg | 1.0  | 0.17 |
| sec-Butylbenzene  | ND     |           | ug/kg | 1.0  | 0.15 |
| tert-Butylbenzene   | ND     |           | ug/kg | 2.0  | 0.12 |
| o-Chlorotoluene   | ND     |           | ug/kg | 2.0  | 0.19 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 06/14/22 08:56  
Analyst: NLK

| Parameter   | Result | Qualifier | Units | RL  | MDL  |
|---|--------|-----------|-------|-----|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,05-09 Batch: WG1650831-5 |        |           |       |     |      |
| p-Chlorotoluene   | ND     |           | ug/kg | 2.0 | 0.11 |
| 1,2-Dibromo-3-chloropropane   | ND     |           | ug/kg | 3.0 | 1.0  |
| Hexachlorobutadiene   | ND     |           | ug/kg | 4.0 | 0.17 |
| Isopropylbenzene  | ND     |           | ug/kg | 1.0 | 0.11 |
| p-Isopropyltoluene  | ND     |           | ug/kg | 1.0 | 0.11 |
| Naphthalene   | ND     |           | ug/kg | 4.0 | 0.65 |
| Acrylonitrile   | ND     |           | ug/kg | 4.0 | 1.2  |
| n-Propylbenzene   | ND     |           | ug/kg | 1.0 | 0.17 |
| 1,2,3-Trichlorobenzene  | ND     |           | ug/kg | 2.0 | 0.32 |
| 1,2,4-Trichlorobenzene  | ND     |           | ug/kg | 2.0 | 0.27 |
| 1,3,5-Trimethylbenzene  | ND     |           | ug/kg | 2.0 | 0.19 |
| 1,2,4-Trimethylbenzene  | ND     |           | ug/kg | 2.0 | 0.33 |
| 1,4-Dioxane   | ND     |           | ug/kg | 80  | 35.  |
| p-Diethylbenzene  | ND     |           | ug/kg | 2.0 | 0.18 |
| p-Ethyltoluene  | ND     |           | ug/kg | 2.0 | 0.38 |
| 1,2,4,5-Tetramethylbenzene  | ND     |           | ug/kg | 2.0 | 0.19 |
| Ethyl ether   | ND     |           | ug/kg | 2.0 | 0.34 |
| trans-1,4-Dichloro-2-butene   | ND     |           | ug/kg | 5.0 | 1.4  |

| Surrogate             | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 105       |           | 70-130              |
| Toluene-d8            | 99        |           | 70-130              |
| 4-Bromofluorobenzene  | 101       |           | 70-130              |
| Dibromofluoromethane  | 105       |           | 70-130              |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-04 Batch: WG1650272-3 WG1650272-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride   | 99               |      | 93                |      | 70-130              | 6   |      | 30            |
| 1,1-Dichloroethane   | 104              |      | 104               |      | 70-130              | 0   |      | 30            |
| Chloroform   | 94               |      | 92                |      | 70-130              | 2   |      | 30            |
| Carbon tetrachloride   | 102              |      | 101               |      | 70-130              | 1   |      | 30            |
| 1,2-Dichloropropane  | 102              |      | 101               |      | 70-130              | 1   |      | 30            |
| Dibromochloromethane   | 97               |      | 96                |      | 70-130              | 1   |      | 30            |
| 1,1,2-Trichloroethane  | 95               |      | 93                |      | 70-130              | 2   |      | 30            |
| Tetrachloroethene  | 103              |      | 101               |      | 70-130              | 2   |      | 30            |
| Chlorobenzene  | 92               |      | 91                |      | 70-130              | 1   |      | 30            |
| Trichlorofluoromethane   | 81               |      | 80                |      | 70-139              | 1   |      | 30            |
| 1,2-Dichloroethane   | 98               |      | 96                |      | 70-130              | 2   |      | 30            |
| 1,1,1-Trichloroethane  | 102              |      | 101               |      | 70-130              | 1   |      | 30            |
| Bromodichloromethane   | 94               |      | 94                |      | 70-130              | 0   |      | 30            |
| trans-1,3-Dichloropropene  | 98               |      | 96                |      | 70-130              | 2   |      | 30            |
| cis-1,3-Dichloropropene  | 98               |      | 98                |      | 70-130              | 0   |      | 30            |
| 1,1-Dichloropropene  | 106              |      | 105               |      | 70-130              | 1   |      | 30            |
| Bromoform  | 93               |      | 90                |      | 70-130              | 3   |      | 30            |
| 1,1,1,2-Tetrachloroethane  | 93               |      | 89                |      | 70-130              | 4   |      | 30            |
| Benzene  | 99               |      | 98                |      | 70-130              | 1   |      | 30            |
| Toluene  | 93               |      | 93                |      | 70-130              | 0   |      | 30            |
| Ethylbenzene   | 94               |      | 94                |      | 70-130              | 0   |      | 30            |
| Chloromethane  | 129              |      | 125               |      | 52-130              | 3   |      | 30            |
| Bromomethane   | 75               |      | 73                |      | 57-147              | 3   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-04 Batch: WG1650272-3 WG1650272-4 |                  |      |                   |      |                     |     |      |               |
| Vinyl chloride   | 91               |      | 90                |      | 67-130              | 1   |      | 30            |
| Chloroethane   | 82               |      | 81                |      | 50-151              | 1   |      | 30            |
| 1,1-Dichloroethene   | 107              |      | 100               |      | 65-135              | 7   |      | 30            |
| trans-1,2-Dichloroethene   | 103              |      | 98                |      | 70-130              | 5   |      | 30            |
| Trichloroethene  | 98               |      | 98                |      | 70-130              | 0   |      | 30            |
| 1,2-Dichlorobenzene  | 92               |      | 91                |      | 70-130              | 1   |      | 30            |
| 1,3-Dichlorobenzene  | 94               |      | 92                |      | 70-130              | 2   |      | 30            |
| 1,4-Dichlorobenzene  | 92               |      | 91                |      | 70-130              | 1   |      | 30            |
| Methyl tert butyl ether  | 107              |      | 101               |      | 66-130              | 6   |      | 30            |
| p/m-Xylene   | 94               |      | 94                |      | 70-130              | 0   |      | 30            |
| o-Xylene   | 92               |      | 92                |      | 70-130              | 0   |      | 30            |
| cis-1,2-Dichloroethene   | 98               |      | 97                |      | 70-130              | 1   |      | 30            |
| Dibromomethane   | 96               |      | 94                |      | 70-130              | 2   |      | 30            |
| Styrene  | 90               |      | 90                |      | 70-130              | 0   |      | 30            |
| Dichlorodifluoromethane  | 106              |      | 103               |      | 30-146              | 3   |      | 30            |
| Acetone  | 131              |      | 113               |      | 54-140              | 15  |      | 30            |
| Carbon disulfide   | 108              |      | 101               |      | 59-130              | 7   |      | 30            |
| 2-Butanone   | 123              |      | 118               |      | 70-130              | 4   |      | 30            |
| Vinyl acetate  | 131              | Q    | 123               |      | 70-130              | 6   |      | 30            |
| 4-Methyl-2-pentanone   | 106              |      | 100               |      | 70-130              | 6   |      | 30            |
| 1,2,3-Trichloropropane   | 89               |      | 85                |      | 68-130              | 5   |      | 30            |
| 2-Hexanone   | 118              |      | 112               |      | 70-130              | 5   |      | 30            |
| Bromochloromethane   | 106              |      | 106               |      | 70-130              | 0   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-04 Batch: WG1650272-3 WG1650272-4 |                  |      |                   |      |                     |     |      |               |
| 2,2-Dichloropropane  | 104              |      | 102               |      | 70-130              | 2   |      | 30            |
| 1,2-Dibromoethane  | 96               |      | 93                |      | 70-130              | 3   |      | 30            |
| 1,3-Dichloropropane  | 94               |      | 93                |      | 69-130              | 1   |      | 30            |
| 1,1,1,2-Tetrachloroethane  | 94               |      | 94                |      | 70-130              | 0   |      | 30            |
| Bromobenzene   | 91               |      | 90                |      | 70-130              | 1   |      | 30            |
| n-Butylbenzene   | 94               |      | 93                |      | 70-130              | 1   |      | 30            |
| sec-Butylbenzene   | 94               |      | 93                |      | 70-130              | 1   |      | 30            |
| tert-Butylbenzene  | 94               |      | 92                |      | 70-130              | 2   |      | 30            |
| o-Chlorotoluene  | 91               |      | 91                |      | 70-130              | 0   |      | 30            |
| p-Chlorotoluene  | 90               |      | 88                |      | 70-130              | 2   |      | 30            |
| 1,2-Dibromo-3-chloropropane  | 96               |      | 92                |      | 68-130              | 4   |      | 30            |
| Hexachlorobutadiene  | 92               |      | 93                |      | 67-130              | 1   |      | 30            |
| Isopropylbenzene   | 93               |      | 91                |      | 70-130              | 2   |      | 30            |
| p-Isopropyltoluene   | 95               |      | 94                |      | 70-130              | 1   |      | 30            |
| Naphthalene  | 95               |      | 93                |      | 70-130              | 2   |      | 30            |
| Acrylonitrile  | 129              |      | 123               |      | 70-130              | 5   |      | 30            |
| n-Propylbenzene  | 93               |      | 91                |      | 70-130              | 2   |      | 30            |
| 1,2,3-Trichlorobenzene   | 92               |      | 91                |      | 70-130              | 1   |      | 30            |
| 1,2,4-Trichlorobenzene   | 94               |      | 93                |      | 70-130              | 1   |      | 30            |
| 1,3,5-Trimethylbenzene   | 92               |      | 91                |      | 70-130              | 1   |      | 30            |
| 1,2,4-Trimethylbenzene   | 91               |      | 90                |      | 70-130              | 1   |      | 30            |
| 1,4-Dioxane  | 108              |      | 102               |      | 65-136              | 6   |      | 30            |
| p-Diethylbenzene   | 97               |      | 96                |      | 70-130              | 1   |      | 30            |



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-04 Batch: WG1650272-3 WG1650272-4 |                  |      |                   |      |                     |     |      |               |
| p-Ethyltoluene   | 95               |      | 93                |      | 70-130              | 2   |      | 30            |
| 1,2,4,5-Tetramethylbenzene   | 93               |      | 92                |      | 70-130              | 1   |      | 30            |
| Ethyl ether  | 112              |      | 107               |      | 67-130              | 5   |      | 30            |
| trans-1,4-Dichloro-2-butene  | 111              |      | 106               |      | 70-130              | 5   |      | 30            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 99               |      | 97                |      | 70-130                 |
| Toluene-d8            | 97               |      | 97                |      | 70-130                 |
| 4-Bromofluorobenzene  | 95               |      | 95                |      | 70-130                 |
| Dibromofluoromethane  | 102              |      | 101               |      | 70-130                 |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,05-09 Batch: WG1650831-3 WG1650831-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride   | 100              |      | 95                |      | 70-130              | 5   |      | 30            |
| 1,1-Dichloroethane   | 108              |      | 100               |      | 70-130              | 8   |      | 30            |
| Chloroform   | 95               |      | 89                |      | 70-130              | 7   |      | 30            |
| Carbon tetrachloride   | 99               |      | 88                |      | 70-130              | 12  |      | 30            |
| 1,2-Dichloropropane  | 105              |      | 99                |      | 70-130              | 6   |      | 30            |
| Dibromochloromethane   | 96               |      | 92                |      | 70-130              | 4   |      | 30            |
| 1,1,2-Trichloroethane  | 97               |      | 92                |      | 70-130              | 5   |      | 30            |
| Tetrachloroethene  | 98               |      | 88                |      | 70-130              | 11  |      | 30            |
| Chlorobenzene  | 92               |      | 86                |      | 70-130              | 7   |      | 30            |
| Trichlorofluoromethane   | 79               |      | 69                | Q    | 70-139              | 14  |      | 30            |
| 1,2-Dichloroethane   | 100              |      | 96                |      | 70-130              | 4   |      | 30            |
| 1,1,1-Trichloroethane  | 101              |      | 91                |      | 70-130              | 10  |      | 30            |
| Bromodichloromethane   | 96               |      | 92                |      | 70-130              | 4   |      | 30            |
| trans-1,3-Dichloropropene  | 98               |      | 94                |      | 70-130              | 4   |      | 30            |
| cis-1,3-Dichloropropene  | 100              |      | 95                |      | 70-130              | 5   |      | 30            |
| 1,1-Dichloropropene  | 105              |      | 95                |      | 70-130              | 10  |      | 30            |
| Bromoform  | 88               |      | 88                |      | 70-130              | 0   |      | 30            |
| 1,1,2,2-Tetrachloroethane  | 93               |      | 92                |      | 70-130              | 1   |      | 30            |
| Benzene  | 100              |      | 93                |      | 70-130              | 7   |      | 30            |
| Toluene  | 93               |      | 87                |      | 70-130              | 7   |      | 30            |
| Ethylbenzene   | 94               |      | 86                |      | 70-130              | 9   |      | 30            |
| Chloromethane  | 134              | Q    | 120               |      | 52-130              | 11  |      | 30            |
| Bromomethane   | 75               |      | 68                |      | 57-147              | 10  |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,05-09 Batch: WG1650831-3 WG1650831-4 |                  |      |                   |      |                     |     |      |               |
| Vinyl chloride   | 91               |      | 80                |      | 67-130              | 13  |      | 30            |
| Chloroethane   | 83               |      | 74                |      | 50-151              | 11  |      | 30            |
| 1,1-Dichloroethene   | 104              |      | 93                |      | 65-135              | 11  |      | 30            |
| trans-1,2-Dichloroethene   | 102              |      | 93                |      | 70-130              | 9   |      | 30            |
| Trichloroethene  | 97               |      | 90                |      | 70-130              | 7   |      | 30            |
| 1,2-Dichlorobenzene  | 90               |      | 88                |      | 70-130              | 2   |      | 30            |
| 1,3-Dichlorobenzene  | 91               |      | 88                |      | 70-130              | 3   |      | 30            |
| 1,4-Dichlorobenzene  | 89               |      | 87                |      | 70-130              | 2   |      | 30            |
| Methyl tert butyl ether  | 108              |      | 105               |      | 66-130              | 3   |      | 30            |
| p/m-Xylene   | 93               |      | 85                |      | 70-130              | 9   |      | 30            |
| o-Xylene   | 92               |      | 85                |      | 70-130              | 8   |      | 30            |
| cis-1,2-Dichloroethene   | 98               |      | 92                |      | 70-130              | 6   |      | 30            |
| Dibromomethane   | 97               |      | 93                |      | 70-130              | 4   |      | 30            |
| Styrene  | 91               |      | 85                |      | 70-130              | 7   |      | 30            |
| Dichlorodifluoromethane  | 100              |      | 86                |      | 30-146              | 15  |      | 30            |
| Acetone  | 130              |      | 125               |      | 54-140              | 4   |      | 30            |
| Carbon disulfide   | 108              |      | 96                |      | 59-130              | 12  |      | 30            |
| 2-Butanone   | 130              |      | 120               |      | 70-130              | 8   |      | 30            |
| Vinyl acetate  | 136              | Q    | 129               |      | 70-130              | 5   |      | 30            |
| 4-Methyl-2-pentanone   | 108              |      | 103               |      | 70-130              | 5   |      | 30            |
| 1,2,3-Trichloropropane   | 89               |      | 88                |      | 68-130              | 1   |      | 30            |
| 2-Hexanone   | 119              |      | 114               |      | 70-130              | 4   |      | 30            |
| Bromochloromethane   | 105              |      | 99                |      | 70-130              | 6   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,05-09 Batch: WG1650831-3 WG1650831-4 |                  |      |                   |      |                     |     |      |               |
| 2,2-Dichloropropane  | 103              |      | 93                |      | 70-130              | 10  |      | 30            |
| 1,2-Dibromoethane  | 95               |      | 91                |      | 70-130              | 4   |      | 30            |
| 1,3-Dichloropropane  | 97               |      | 92                |      | 69-130              | 5   |      | 30            |
| 1,1,1,2-Tetrachloroethane  | 94               |      | 89                |      | 70-130              | 5   |      | 30            |
| Bromobenzene   | 87               |      | 86                |      | 70-130              | 1   |      | 30            |
| n-Butylbenzene   | 93               |      | 86                |      | 70-130              | 8   |      | 30            |
| sec-Butylbenzene   | 92               |      | 85                |      | 70-130              | 8   |      | 30            |
| tert-Butylbenzene  | 91               |      | 85                |      | 70-130              | 7   |      | 30            |
| o-Chlorotoluene  | 88               |      | 84                |      | 70-130              | 5   |      | 30            |
| p-Chlorotoluene  | 89               |      | 85                |      | 70-130              | 5   |      | 30            |
| 1,2-Dibromo-3-chloropropane  | 92               |      | 92                |      | 68-130              | 0   |      | 30            |
| Hexachlorobutadiene  | 88               |      | 80                |      | 67-130              | 10  |      | 30            |
| Isopropylbenzene   | 90               |      | 85                |      | 70-130              | 6   |      | 30            |
| p-Isopropyltoluene   | 92               |      | 86                |      | 70-130              | 7   |      | 30            |
| Naphthalene  | 92               |      | 90                |      | 70-130              | 2   |      | 30            |
| Acrylonitrile  | 131              | Q    | 124               |      | 70-130              | 5   |      | 30            |
| n-Propylbenzene  | 91               |      | 85                |      | 70-130              | 7   |      | 30            |
| 1,2,3-Trichlorobenzene   | 90               |      | 88                |      | 70-130              | 2   |      | 30            |
| 1,2,4-Trichlorobenzene   | 90               |      | 88                |      | 70-130              | 2   |      | 30            |
| 1,3,5-Trimethylbenzene   | 90               |      | 86                |      | 70-130              | 5   |      | 30            |
| 1,2,4-Trimethylbenzene   | 90               |      | 86                |      | 70-130              | 5   |      | 30            |
| 1,4-Dioxane  | 104              |      | 101               |      | 65-136              | 3   |      | 30            |
| p-Diethylbenzene   | 94               |      | 87                |      | 70-130              | 8   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,05-09 Batch: WG1650831-3 WG1650831-4 |                  |      |                   |      |                     |     |      |               |
| p-Ethyltoluene   | 92               |      | 86                |      | 70-130              | 7   |      | 30            |
| 1,2,4,5-Tetramethylbenzene   | 91               |      | 88                |      | 70-130              | 3   |      | 30            |
| Ethyl ether  | 116              |      | 112               |      | 67-130              | 4   |      | 30            |
| trans-1,4-Dichloro-2-butene  | 113              |      | 109               |      | 70-130              | 4   |      | 30            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 100              |      | 99                |      | 70-130                 |
| Toluene-d8            | 97               |      | 97                |      | 70-130                 |
| 4-Bromofluorobenzene  | 96               |      | 98                |      | 70-130                 |
| Dibromofluoromethane  | 104              |      | 104               |      | 70-130                 |

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2230540

**Project Number:** 3883.0001Y000

**Report Date:** 06/23/22

| <i>Parameter</i>  | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|---|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG1650272-6 WG1650272-7 QC Sample: L2230540-03 Client ID: SB018(0-2) |                      |                 |                 |                     |             |                  |                      |             |                        |            |             |                   |
| Methylene chloride  | ND                   | 127             | 100             | 79                  |             | 130              | 96                   |             | 70-130                 | 22         |             | 30                |
| 1,1-Dichloroethane  | ND                   | 127             | 120             | 92                  |             | 140              | 109                  |             | 70-130                 | 20         |             | 30                |
| Chloroform  | ND                   | 127             | 95              | 74                  |             | 120              | 92                   |             | 70-130                 | 24         |             | 30                |
| Carbon tetrachloride  | ND                   | 127             | 98              | 77                  |             | 140              | 105                  |             | 70-130                 | 33         | Q           | 30                |
| 1,2-Dichloropropane   | ND                   | 127             | 100             | 82                  |             | 140              | 104                  |             | 70-130                 | 27         |             | 30                |
| Dibromochloromethane  | ND                   | 127             | 83              | 65                  | Q           | 110              | 86                   |             | 70-130                 | 30         |             | 30                |
| 1,1,2-Trichloroethane   | ND                   | 127             | 95              | 74                  |             | 120              | 89                   |             | 70-130                 | 20         |             | 30                |
| Tetrachloroethene   | ND                   | 127             | 56              | 44                  | Q           | 120              | 91                   |             | 70-130                 | 72         | Q           | 30                |
| Chlorobenzene   | ND                   | 127             | 47              | 37                  | Q           | 100              | 79                   |             | 70-130                 | 74         | Q           | 30                |
| Trichlorofluoromethane  | ND                   | 127             | 95              | 74                  |             | 110              | 85                   |             | 70-139                 | 16         |             | 30                |
| 1,2-Dichloroethane  | ND                   | 127             | 91              | 71                  |             | 120              | 93                   |             | 70-130                 | 29         |             | 30                |
| 1,1,1-Trichloroethane   | ND                   | 127             | 100             | 82                  |             | 140              | 105                  |             | 70-130                 | 27         |             | 30                |
| Bromodichloromethane  | ND                   | 127             | 88              | 69                  | Q           | 120              | 92                   |             | 70-130                 | 31         | Q           | 30                |
| trans-1,3-Dichloropropene   | ND                   | 127             | 52              | 41                  | Q           | 110              | 84                   |             | 70-130                 | 71         | Q           | 30                |
| cis-1,3-Dichloropropene   | ND                   | 127             | 63              | 49                  | Q           | 120              | 92                   |             | 70-130                 | 63         | Q           | 30                |
| 1,1-Dichloropropene   | ND                   | 127             | 85              | 67                  | Q           | 140              | 110                  |             | 70-130                 | 51         | Q           | 30                |
| Bromoform   | ND                   | 127             | 81              | 64                  | Q           | 98               | 75                   |             | 70-130                 | 19         |             | 30                |
| 1,1,2,2-Tetrachloroethane   | ND                   | 127             | 100             | 81                  |             | 110              | 84                   |             | 70-130                 | 7          |             | 30                |
| Benzene   | ND                   | 127             | 91              | 71                  |             | 130              | 102                  |             | 70-130                 | 38         | Q           | 30                |
| Toluene   | ND                   | 127             | 66              | 52                  | Q           | 120              | 90                   |             | 70-130                 | 57         | Q           | 30                |
| Ethylbenzene  | ND                   | 127             | 49              | 38                  | Q           | 110              | 87                   |             | 70-130                 | 80         | Q           | 30                |
| Chloromethane   | ND                   | 127             | 170             | 133                 | Q           | 190              | 143                  | Q           | 52-130                 | 10         |             | 30                |
| Bromomethane  | ND                   | 127             | 78              | 61                  |             | 96               | 73                   |             | 57-147                 | 21         |             | 30                |

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2230540

**Project Number:** 3883.0001Y000

**Report Date:** 06/23/22

| <i>Parameter</i>  | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|---|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG1650272-6 WG1650272-7 QC Sample: L2230540-03 Client ID: SB018(0-2) |                      |                 |                 |                     |             |                  |                      |             |                        |            |             |                   |
| Vinyl chloride  | ND                   | 127             | 110             | 85                  |             | 130              | 96                   |             | 67-130                 | 15         |             | 30                |
| Chloroethane  | ND                   | 127             | 99              | 77                  |             | 120              | 90                   |             | 50-151                 | 18         |             | 30                |
| 1,1-Dichloroethene  | ND                   | 127             | 110             | 83                  |             | 150              | 112                  |             | 65-135                 | 32         | Q           | 30                |
| trans-1,2-Dichloroethene  | ND                   | 127             | 81              | 64                  | Q           | 130              | 100                  |             | 70-130                 | 47         | Q           | 30                |
| Trichloroethene   | ND                   | 127             | 67              | 52                  | Q           | 120              | 95                   |             | 70-130                 | 60         | Q           | 30                |
| 1,2-Dichlorobenzene   | ND                   | 127             | 42              | 33                  | Q           | 77               | 59                   | Q           | 70-130                 | 60         | Q           | 30                |
| 1,3-Dichlorobenzene   | ND                   | 127             | 35              | 27                  | Q           | 80               | 61                   | Q           | 70-130                 | 79         | Q           | 30                |
| 1,4-Dichlorobenzene   | ND                   | 127             | 30              | 24                  | Q           | 76               | 58                   | Q           | 70-130                 | 86         | Q           | 30                |
| Methyl tert butyl ether   | ND                   | 127             | 120             | 97                  |             | 130              | 101                  |             | 66-130                 | 6          |             | 30                |
| p/m-Xylene  | ND                   | 255             | 92              | 36                  | Q           | 220              | 84                   |             | 70-130                 | 83         | Q           | 30                |
| o-Xylene  | ND                   | 255             | 110             | 43                  | Q           | 220              | 83                   |             | 70-130                 | 65         | Q           | 30                |
| cis-1,2-Dichloroethene  | ND                   | 127             | 80              | 63                  | Q           | 120              | 94                   |             | 70-130                 | 42         | Q           | 30                |
| Dibromomethane  | ND                   | 127             | 75              | 59                  | Q           | 110              | 87                   |             | 70-130                 | 41         | Q           | 30                |
| Styrene   | ND                   | 255             | 79              | 31                  | Q           | 200              | 76                   |             | 70-130                 | 87         | Q           | 30                |
| Dichlorodifluoromethane   | ND                   | 127             | 130             | 98                  |             | 140              | 107                  |             | 30-146                 | 11         |             | 30                |
| Acetone   | 8.3J                 | 127             | 170             | 133                 |             | 170              | 126                  |             | 54-140                 | 2          |             | 30                |
| Carbon disulfide  | ND                   | 127             | 95              | 74                  |             | 140              | 109                  |             | 59-130                 | 41         | Q           | 30                |
| 2-Butanone  | ND                   | 127             | 150             | 114                 |             | 180              | 134                  | Q           | 70-130                 | 19         |             | 30                |
| Vinyl acetate   | ND                   | 127             | 40              | 32                  | Q           | 160              | 119                  |             | 70-130                 | 118        | Q           | 30                |
| 4-Methyl-2-pentanone  | ND                   | 127             | 130             | 99                  |             | 140              | 107                  |             | 70-130                 | 11         |             | 30                |
| 1,2,3-Trichloropropane  | ND                   | 127             | 95              | 74                  |             | 110              | 82                   |             | 68-130                 | 12         |             | 30                |
| 2-Hexanone  | ND                   | 127             | 120             | 97                  |             | 160              | 122                  |             | 70-130                 | 25         |             | 30                |
| Bromochloromethane  | ND                   | 127             | 92              | 73                  |             | 130              | 96                   |             | 70-130                 | 30         |             | 30                |

## Matrix Spike Analysis

### Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2230540

**Project Number:** 3883.0001Y000

**Report Date:** 06/23/22

| Parameter   | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---------------|----------|----------|--------------|------|-----------|---------------|------|-----------------|-----|------|------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG1650272-6 WG1650272-7 QC Sample: L2230540-03 Client ID: SB018(0-2) |               |          |          |              |      |           |               |      |                 |     |      |            |
| 2,2-Dichloropropane   | ND            | 127      | 110      | 83           |      | 140       | 109           |      | 70-130          | 30  |      | 30         |
| 1,2-Dibromoethane   | ND            | 127      | 67       | 52           | Q    | 110       | 83            |      | 70-130          | 47  | Q    | 30         |
| 1,3-Dichloropropane   | ND            | 127      | 82       | 64           | Q    | 120       | 88            |      | 69-130          | 34  | Q    | 30         |
| 1,1,1,2-Tetrachloroethane   | ND            | 127      | 81       | 64           | Q    | 110       | 86            |      | 70-130          | 33  | Q    | 30         |
| Bromobenzene  | ND            | 127      | 44       | 35           | Q    | 89        | 68            | Q    | 70-130          | 68  | Q    | 30         |
| n-Butylbenzene  | ND            | 127      | 25       | 20           | Q    | 93        | 71            |      | 70-130          | 115 | Q    | 30         |
| sec-Butylbenzene  | ND            | 127      | 40       | 31           | Q    | 99        | 75            |      | 70-130          | 85  | Q    | 30         |
| tert-Butylbenzene   | ND            | 127      | 52       | 41           | Q    | 110       | 80            |      | 70-130          | 68  | Q    | 30         |
| o-Chlorotoluene   | ND            | 127      | 49       | 38           | Q    | 97        | 74            |      | 70-130          | 66  | Q    | 30         |
| p-Chlorotoluene   | ND            | 127      | 36       | 28           | Q    | 91        | 69            | Q    | 70-130          | 87  | Q    | 30         |
| 1,2-Dibromo-3-chloropropane   | ND            | 127      | 85       | 67           | Q    | 110       | 81            |      | 68-130          | 22  |      | 30         |
| Hexachlorobutadiene   | ND            | 127      | 26       | 20           | Q    | 76        | 58            | Q    | 67-130          | 99  | Q    | 30         |
| Isopropylbenzene  | ND            | 127      | 53       | 42           | Q    | 110       | 84            |      | 70-130          | 70  | Q    | 30         |
| p-Isopropyltoluene  | 0.16J         | 127      | 39       | 30           | Q    | 98        | 75            |      | 70-130          | 86  | Q    | 30         |
| Naphthalene   | ND            | 127      | 33       | 26           | Q    | 61        | 46            | Q    | 70-130          | 59  | Q    | 30         |
| Acrylonitrile   | ND            | 127      | 150      | 116          |      | 170       | 126           |      | 70-130          | 11  |      | 30         |
| n-Propylbenzene   | ND            | 127      | 38       | 30           | Q    | 100       | 80            |      | 70-130          | 93  | Q    | 30         |
| 1,2,3-Trichlorobenzene  | ND            | 127      | 27       | 21           | Q    | 46        | 35            | Q    | 70-130          | 53  | Q    | 30         |
| 1,2,4-Trichlorobenzene  | ND            | 127      | 23       | 18           | Q    | 50        | 38            | Q    | 70-130          | 76  | Q    | 30         |
| 1,3,5-Trimethylbenzene  | 0.59J         | 127      | 52       | 41           | Q    | 100       | 76            |      | 70-130          | 63  | Q    | 30         |
| 1,2,4-Trimethylbenzene  | 0.64J         | 127      | 47       | 37           | Q    | 92        | 70            |      | 70-130          | 64  | Q    | 30         |
| 1,4-Dioxane   | ND            | 6370     | 7600     | 119          |      | 7200      | 110           |      | 65-136          | 5   |      | 30         |
| p-Diethylbenzene  | ND            | 127      | 33       | 26           | Q    | 93        | 71            |      | 70-130          | 96  | Q    | 30         |



## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2230540

**Project Number:** 3883.0001Y000

**Report Date:** 06/23/22

| <b>Parameter</b>   | <b>Native Sample</b> | <b>MS Added</b> | <b>MS Found</b> | <b>MS %Recovery</b> | <b>Qual</b> | <b>MSD Found</b> | <b>MSD %Recovery</b> | <b>Qual</b> | <b>Recovery Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD Limits</b> |
|--|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG1650272-6 WG1650272-7 QC Sample: L2230540-03<br>Client ID: SB018(0-2) |                      |                 |                 |                     |             |                  |                      |             |                        |            |             |                   |
| p-Ethyltoluene   | ND                   | 127             | 38              | 30                  | Q           | 100              | 79                   |             | 70-130                 | 91         | Q           | 30                |
| 1,2,4,5-Tetramethylbenzene   | 0.68J                | 127             | 43              | 34                  | Q           | 77               | 59                   | Q           | 70-130                 | 56         | Q           | 30                |
| Ethyl ether  | ND                   | 127             | 130             | 100                 |             | 140              | 108                  |             | 67-130                 | 10         |             | 30                |
| trans-1,4-Dichloro-2-butene  | ND                   | 127             | 63              | 50                  | Q           | 130              | 96                   |             | 70-130                 | 66         | Q           | 30                |

| <b>Surrogate</b>      | <b>MS % Recovery</b> | <b>Qualifier</b> | <b>MSD % Recovery</b> | <b>Qualifier</b> | <b>Acceptance Criteria</b> |
|-----------------------|----------------------|------------------|-----------------------|------------------|----------------------------|
| 1,2-Dichloroethane-d4 | 108                  |                  | 106                   |                  | 70-130                     |
| 4-Bromofluorobenzene  | 106                  |                  | 97                    |                  | 70-130                     |
| Dibromofluoromethane  | 107                  |                  | 104                   |                  | 70-130                     |
| Toluene-d8            | 102                  |                  | 98                    |                  | 70-130                     |

# SEMIVOLATILES

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230540-01  
**Client ID:** SB019(0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 09:00  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 06/15/22 20:07  
**Analyst:** IM  
**Percent Solids:** 86%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/11/22 00:57

| Parameter   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |     |                 |
| Acenaphthene  | 24     | J         | ug/kg | 150 | 20. | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 190 | 22. | 1               |
| Hexachlorobenzene                                       | ND     |           | ug/kg | 110 | 21. | 1               |
| Bis(2-chloroethyl)ether                                 | ND     |           | ug/kg | 170 | 26. | 1               |
| 2-Chloronaphthalene                                     | ND     |           | ug/kg | 190 | 19. | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 190 | 34. | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 190 | 32. | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 190 | 33. | 1               |
| 3,3'-Dichlorobenzidine                                  | ND     |           | ug/kg | 190 | 50. | 1               |
| 2,4-Dinitrotoluene                                      | ND     |           | ug/kg | 190 | 38. | 1               |
| 2,6-Dinitrotoluene                                      | ND     |           | ug/kg | 190 | 32. | 1               |
| Fluoranthene  | 550    |           | ug/kg | 110 | 22. | 1               |
| 4-Chlorophenyl phenyl ether                             | ND     |           | ug/kg | 190 | 20. | 1               |
| 4-Bromophenyl phenyl ether                              | ND     |           | ug/kg | 190 | 29. | 1               |
| Bis(2-chloroisopropyl)ether                             | ND     |           | ug/kg | 220 | 32. | 1               |
| Bis(2-chloroethoxy)methane                              | ND     |           | ug/kg | 200 | 19. | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 190 | 28. | 1               |
| Hexachlorocyclopentadiene                               | ND     |           | ug/kg | 540 | 170 | 1               |
| Hexachloroethane  | ND     |           | ug/kg | 150 | 30. | 1               |
| Isophorone  | ND     |           | ug/kg | 170 | 24. | 1               |
| Naphthalene   | 120    | J         | ug/kg | 190 | 23. | 1               |
| Nitrobenzene  | ND     |           | ug/kg | 170 | 28. | 1               |
| NDPA/DPA  | ND     |           | ug/kg | 150 | 21. | 1               |
| n-Nitrosodi-n-propylamine                               | ND     |           | ug/kg | 190 | 29. | 1               |
| Bis(2-ethylhexyl)phthalate                              | 200    |           | ug/kg | 190 | 65. | 1               |
| Butyl benzyl phthalate                                  | ND     |           | ug/kg | 190 | 47. | 1               |
| Di-n-butylphthalate                                     | ND     |           | ug/kg | 190 | 36. | 1               |
| Di-n-octylphthalate                                     | ND     |           | ug/kg | 190 | 64. | 1               |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

## SAMPLE RESULTS

Lab ID: L2230540-01

Date Collected: 06/09/22 09:00

Client ID: SB019(0-2)

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 190 | 17. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 190 | 40. | 1               |
| Benzo(a)anthracene                               | 400    |           | ug/kg | 110 | 21. | 1               |
| Benzo(a)pyrene                                   | 420    |           | ug/kg | 150 | 46. | 1               |
| Benzo(b)fluoranthene                             | 730    |           | ug/kg | 110 | 32. | 1               |
| Benzo(k)fluoranthene                             | 200    |           | ug/kg | 110 | 30. | 1               |
| Chrysene   | 500    |           | ug/kg | 110 | 20. | 1               |
| Acenaphthylene                                   | 110    | J         | ug/kg | 150 | 29. | 1               |
| Anthracene                                       | 160    |           | ug/kg | 110 | 37. | 1               |
| Benzo(ghi)perylene                               | 280    |           | ug/kg | 150 | 22. | 1               |
| Fluorene   | 45     | J         | ug/kg | 190 | 18. | 1               |
| Phenanthrene                                     | 340    |           | ug/kg | 110 | 23. | 1               |
| Dibenzo(a,h)anthracene                           | 73     | J         | ug/kg | 110 | 22. | 1               |
| Indeno(1,2,3-cd)pyrene                           | 330    |           | ug/kg | 150 | 26. | 1               |
| Pyrene   | 510    |           | ug/kg | 110 | 19. | 1               |
| Biphenyl   | 30     | J         | ug/kg | 430 | 24. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 190 | 34. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 190 | 36. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 190 | 36. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 190 | 78. | 1               |
| Dibenzofuran                                     | 68     | J         | ug/kg | 190 | 18. | 1               |
| 2-Methylnaphthalene                              | 160    | J         | ug/kg | 220 | 23. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 190 | 20. | 1               |
| Acetophenone                                     | 40     | J         | ug/kg | 190 | 23. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 110 | 36. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 190 | 28. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 190 | 22. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 170 | 30. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 190 | 62. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 410 | 71. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 260 | 77. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 900 | 88. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 490 | 90. | 1               |
| Pentachlorophenol                                | 120    | J         | ug/kg | 150 | 41. | 1               |
| Phenol   | ND     |           | ug/kg | 190 | 28. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 190 | 29. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 270 | 29. | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230540-01  
 Client ID: SB019(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 09:00  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 190 | 36. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 610 | 190 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 190 | 58. | 1               |
| Carbazole  | 50     | J         | ug/kg | 190 | 18. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 28  | 8.6 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 84         |           | 25-120              |
| Phenol-d6            | 81         |           | 10-120              |
| Nitrobenzene-d5      | 89         |           | 23-120              |
| 2-Fluorobiphenyl     | 76         |           | 30-120              |
| 2,4,6-Tribromophenol | 117        |           | 10-136              |
| 4-Terphenyl-d14      | 71         |           | 18-120              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230540-02 D  
 Client ID: SB019(2-4)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 09:10  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 06/15/22 20:52  
 Analyst: IM  
 Percent Solids: 89%

Extraction Method: EPA 3546  
 Extraction Date: 06/11/22 00:57

| Parameter   | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---|--------|-----------|-------|------|-----|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |      |     |                 |
| Acenaphthene  | 330    | J         | ug/kg | 730  | 95. | 5               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 910  | 100 | 5               |
| Hexachlorobenzene                                       | ND     |           | ug/kg | 550  | 100 | 5               |
| Bis(2-chloroethyl)ether                                 | ND     |           | ug/kg | 820  | 120 | 5               |
| 2-Chloronaphthalene                                     | ND     |           | ug/kg | 910  | 91. | 5               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 910  | 160 | 5               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 910  | 160 | 5               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 910  | 160 | 5               |
| 3,3'-Dichlorobenzidine                                  | ND     |           | ug/kg | 910  | 240 | 5               |
| 2,4-Dinitrotoluene                                      | ND     |           | ug/kg | 910  | 180 | 5               |
| 2,6-Dinitrotoluene                                      | ND     |           | ug/kg | 910  | 160 | 5               |
| Fluoranthene  | 2900   |           | ug/kg | 550  | 100 | 5               |
| 4-Chlorophenyl phenyl ether                             | ND     |           | ug/kg | 910  | 98. | 5               |
| 4-Bromophenyl phenyl ether                              | ND     |           | ug/kg | 910  | 140 | 5               |
| Bis(2-chloroisopropyl)ether                             | ND     |           | ug/kg | 1100 | 160 | 5               |
| Bis(2-chloroethoxy)methane                              | ND     |           | ug/kg | 990  | 92. | 5               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 910  | 130 | 5               |
| Hexachlorocyclopentadiene                               | ND     |           | ug/kg | 2600 | 830 | 5               |
| Hexachloroethane  | ND     |           | ug/kg | 730  | 150 | 5               |
| Isophorone  | ND     |           | ug/kg | 820  | 120 | 5               |
| Naphthalene   | 150    | J         | ug/kg | 910  | 110 | 5               |
| Nitrobenzene  | ND     |           | ug/kg | 820  | 140 | 5               |
| NDPA/DPA  | ND     |           | ug/kg | 730  | 100 | 5               |
| n-Nitrosodi-n-propylamine                               | ND     |           | ug/kg | 910  | 140 | 5               |
| Bis(2-ethylhexyl)phthalate                              | 330    | J         | ug/kg | 910  | 320 | 5               |
| Butyl benzyl phthalate                                  | ND     |           | ug/kg | 910  | 230 | 5               |
| Di-n-butylphthalate                                     | ND     |           | ug/kg | 910  | 170 | 5               |
| Di-n-octylphthalate                                     | ND     |           | ug/kg | 910  | 310 | 5               |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

## SAMPLE RESULTS

Lab ID: L2230540-02 D

Date Collected: 06/09/22 09:10

Client ID: SB019(2-4)

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|--|--------|-----------|-------|------|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |      |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 910  | 85. | 5               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 910  | 190 | 5               |
| Benzo(a)anthracene                               | 1300   |           | ug/kg | 550  | 100 | 5               |
| Benzo(a)pyrene                                   | 1200   |           | ug/kg | 730  | 220 | 5               |
| Benzo(b)fluoranthene                             | 1500   |           | ug/kg | 550  | 150 | 5               |
| Benzo(k)fluoranthene                             | 400    | J         | ug/kg | 550  | 150 | 5               |
| Chrysene   | 1200   |           | ug/kg | 550  | 95. | 5               |
| Acenaphthylene                                   | ND     |           | ug/kg | 730  | 140 | 5               |
| Anthracene                                       | 660    |           | ug/kg | 550  | 180 | 5               |
| Benzo(ghi)perylene                               | 660    | J         | ug/kg | 730  | 110 | 5               |
| Fluorene   | 330    | J         | ug/kg | 910  | 89. | 5               |
| Phenanthrene                                     | 3200   |           | ug/kg | 550  | 110 | 5               |
| Dibenzo(a,h)anthracene                           | 150    | J         | ug/kg | 550  | 100 | 5               |
| Indeno(1,2,3-cd)pyrene                           | 730    |           | ug/kg | 730  | 130 | 5               |
| Pyrene   | 2400   |           | ug/kg | 550  | 91. | 5               |
| Biphenyl   | ND     |           | ug/kg | 2100 | 120 | 5               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 910  | 170 | 5               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 910  | 180 | 5               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 910  | 170 | 5               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 910  | 380 | 5               |
| Dibenzofuran                                     | 270    | J         | ug/kg | 910  | 86. | 5               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 1100 | 110 | 5               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 910  | 95. | 5               |
| Acetophenone                                     | ND     |           | ug/kg | 910  | 110 | 5               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 550  | 170 | 5               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 910  | 140 | 5               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 910  | 110 | 5               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 820  | 150 | 5               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 910  | 300 | 5               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 2000 | 340 | 5               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 1300 | 370 | 5               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 4400 | 430 | 5               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 2400 | 440 | 5               |
| Pentachlorophenol                                | ND     |           | ug/kg | 730  | 200 | 5               |
| Phenol   | ND     |           | ug/kg | 910  | 140 | 5               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 910  | 140 | 5               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 1300 | 140 | 5               |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2230540**Project Number:** 3883.0001Y000**Report Date:** 06/23/22**SAMPLE RESULTS**

Lab ID: L2230540-02 D

Date Collected: 06/09/22 09:10

Client ID: SB019(2-4)

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|--|--------|-----------|-------|------|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |      |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 910  | 180 | 5               |
| Benzoic Acid                                     | ND     |           | ug/kg | 3000 | 920 | 5               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 910  | 280 | 5               |
| Carbazole  | 210    | J         | ug/kg | 910  | 89. | 5               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 140  | 42. | 5               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 40         |           | 25-120              |
| Phenol-d6            | 40         |           | 10-120              |
| Nitrobenzene-d5      | 39         |           | 23-120              |
| 2-Fluorobiphenyl     | 47         |           | 30-120              |
| 2,4,6-Tribromophenol | 56         |           | 10-136              |
| 4-Terphenyl-d14      | 48         |           | 18-120              |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230540-03  
**Client ID:** SB018(0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 10:10  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 06/15/22 19:44  
**Analyst:** IM  
**Percent Solids:** 95%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/11/22 00:57

| Parameter   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |     |                 |
| Acenaphthene  | ND     |           | ug/kg | 140 | 18. | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 170 | 20. | 1               |
| Hexachlorobenzene                                       | ND     |           | ug/kg | 100 | 19. | 1               |
| Bis(2-chloroethyl)ether                                 | ND     |           | ug/kg | 160 | 23. | 1               |
| 2-Chloronaphthalene                                     | ND     |           | ug/kg | 170 | 17. | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 170 | 31. | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 170 | 30. | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 170 | 30. | 1               |
| 3,3'-Dichlorobenzidine                                  | ND     |           | ug/kg | 170 | 46. | 1               |
| 2,4-Dinitrotoluene                                      | ND     |           | ug/kg | 170 | 34. | 1               |
| 2,6-Dinitrotoluene                                      | ND     |           | ug/kg | 170 | 30. | 1               |
| Fluoranthene  | 56     | J         | ug/kg | 100 | 20. | 1               |
| 4-Chlorophenyl phenyl ether                             | ND     |           | ug/kg | 170 | 18. | 1               |
| 4-Bromophenyl phenyl ether                              | ND     |           | ug/kg | 170 | 26. | 1               |
| Bis(2-chloroisopropyl)ether                             | ND     |           | ug/kg | 210 | 29. | 1               |
| Bis(2-chloroethoxy)methane                              | ND     |           | ug/kg | 190 | 17. | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 170 | 25. | 1               |
| Hexachlorocyclopentadiene                               | ND     |           | ug/kg | 490 | 160 | 1               |
| Hexachloroethane  | ND     |           | ug/kg | 140 | 28. | 1               |
| Isophorone  | ND     |           | ug/kg | 160 | 22. | 1               |
| Naphthalene   | ND     |           | ug/kg | 170 | 21. | 1               |
| Nitrobenzene  | ND     |           | ug/kg | 160 | 26. | 1               |
| NDPA/DPA  | ND     |           | ug/kg | 140 | 20. | 1               |
| n-Nitrosodi-n-propylamine                               | ND     |           | ug/kg | 170 | 27. | 1               |
| Bis(2-ethylhexyl)phthalate                              | 180    |           | ug/kg | 170 | 60. | 1               |
| Butyl benzyl phthalate                                  | ND     |           | ug/kg | 170 | 43. | 1               |
| Di-n-butylphthalate                                     | ND     |           | ug/kg | 170 | 33. | 1               |
| Di-n-octylphthalate                                     | ND     |           | ug/kg | 170 | 59. | 1               |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

## SAMPLE RESULTS

Lab ID: L2230540-03

Date Collected: 06/09/22 10:10

Client ID: SB018(0-2)

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 170 | 16. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 170 | 36. | 1               |
| Benzo(a)anthracene                               | 36     | J         | ug/kg | 100 | 19. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 140 | 42. | 1               |
| Benzo(b)fluoranthene                             | 43     | J         | ug/kg | 100 | 29. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 100 | 28. | 1               |
| Chrysene   | 38     | J         | ug/kg | 100 | 18. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 140 | 27. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 100 | 34. | 1               |
| Benzo(ghi)perylene                               | 23     | J         | ug/kg | 140 | 20. | 1               |
| Fluorene   | ND     |           | ug/kg | 170 | 17. | 1               |
| Phenanthrene                                     | 50     | J         | ug/kg | 100 | 21. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 100 | 20. | 1               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 140 | 24. | 1               |
| Pyrene   | 59     | J         | ug/kg | 100 | 17. | 1               |
| Biphenyl   | ND     |           | ug/kg | 390 | 22. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 170 | 31. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 170 | 33. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 170 | 32. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 170 | 71. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 170 | 16. | 1               |
| 2-Methylnaphthalene                              | 26     | J         | ug/kg | 210 | 21. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 170 | 18. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 170 | 21. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 100 | 33. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 170 | 26. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 170 | 20. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 160 | 28. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 170 | 57. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 370 | 65. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 240 | 70. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 830 | 80. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 450 | 83. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 140 | 38. | 1               |
| Phenol   | ND     |           | ug/kg | 170 | 26. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 170 | 27. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 250 | 27. | 1               |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2230540**Project Number:** 3883.0001Y000**Report Date:** 06/23/22**SAMPLE RESULTS**

Lab ID: L2230540-03

Date Collected: 06/09/22 10:10

Client ID: SB018(0-2)

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 170 | 33. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 560 | 170 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 170 | 53. | 1               |
| Carbazole  | ND     |           | ug/kg | 170 | 17. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 26  | 7.9 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 80         |           | 25-120              |
| Phenol-d6            | 77         |           | 10-120              |
| Nitrobenzene-d5      | 75         |           | 23-120              |
| 2-Fluorobiphenyl     | 74         |           | 30-120              |
| 2,4,6-Tribromophenol | 109        |           | 10-136              |
| 4-Terphenyl-d14      | 72         |           | 18-120              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230540-04  
 Client ID: SB018(2-4)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 10:20  
 Date Received: 06/09/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 06/15/22 19:22  
 Analyst: IM  
 Percent Solids: 92%

Extraction Method: EPA 3546  
 Extraction Date: 06/11/22 00:57

| Parameter   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |     |                 |
| Acenaphthene  | ND     |           | ug/kg | 140 | 18. | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 180 | 20. | 1               |
| Hexachlorobenzene                                       | ND     |           | ug/kg | 110 | 20. | 1               |
| Bis(2-chloroethyl)ether                                 | ND     |           | ug/kg | 160 | 24. | 1               |
| 2-Chloronaphthalene                                     | ND     |           | ug/kg | 180 | 18. | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 32. | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 31. | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 31. | 1               |
| 3,3'-Dichlorobenzidine                                  | ND     |           | ug/kg | 180 | 47. | 1               |
| 2,4-Dinitrotoluene                                      | ND     |           | ug/kg | 180 | 36. | 1               |
| 2,6-Dinitrotoluene                                      | ND     |           | ug/kg | 180 | 31. | 1               |
| Fluoranthene  | 66     | J         | ug/kg | 110 | 20. | 1               |
| 4-Chlorophenyl phenyl ether                             | ND     |           | ug/kg | 180 | 19. | 1               |
| 4-Bromophenyl phenyl ether                              | ND     |           | ug/kg | 180 | 27. | 1               |
| Bis(2-chloroisopropyl)ether                             | ND     |           | ug/kg | 210 | 30. | 1               |
| Bis(2-chloroethoxy)methane                              | ND     |           | ug/kg | 190 | 18. | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 180 | 26. | 1               |
| Hexachlorocyclopentadiene                               | ND     |           | ug/kg | 510 | 160 | 1               |
| Hexachloroethane  | ND     |           | ug/kg | 140 | 29. | 1               |
| Isophorone  | ND     |           | ug/kg | 160 | 23. | 1               |
| Naphthalene   | ND     |           | ug/kg | 180 | 22. | 1               |
| Nitrobenzene  | ND     |           | ug/kg | 160 | 26. | 1               |
| NDPA/DPA  | ND     |           | ug/kg | 140 | 20. | 1               |
| n-Nitrosodi-n-propylamine                               | ND     |           | ug/kg | 180 | 28. | 1               |
| Bis(2-ethylhexyl)phthalate                              | 180    |           | ug/kg | 180 | 62. | 1               |
| Butyl benzyl phthalate                                  | ND     |           | ug/kg | 180 | 45. | 1               |
| Di-n-butylphthalate                                     | ND     |           | ug/kg | 180 | 34. | 1               |
| Di-n-octylphthalate                                     | ND     |           | ug/kg | 180 | 61. | 1               |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

## SAMPLE RESULTS

Lab ID: L2230540-04

Date Collected: 06/09/22 10:20

Client ID: SB018(2-4)

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 180 | 16. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 180 | 37. | 1               |
| Benzo(a)anthracene                               | 41     | J         | ug/kg | 110 | 20. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 140 | 44. | 1               |
| Benzo(b)fluoranthene                             | 48     | J         | ug/kg | 110 | 30. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 110 | 28. | 1               |
| Chrysene   | 36     | J         | ug/kg | 110 | 18. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 140 | 28. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 110 | 35. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 140 | 21. | 1               |
| Fluorene   | ND     |           | ug/kg | 180 | 17. | 1               |
| Phenanthrene                                     | 30     | J         | ug/kg | 110 | 22. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 110 | 21. | 1               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 140 | 25. | 1               |
| Pyrene   | 57     | J         | ug/kg | 110 | 18. | 1               |
| Biphenyl   | ND     |           | ug/kg | 410 | 23. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 180 | 32. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 180 | 34. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 180 | 34. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 180 | 74. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 180 | 17. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 210 | 22. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 180 | 19. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 180 | 22. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 110 | 34. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 180 | 26. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 180 | 21. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 160 | 29. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 180 | 59. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 380 | 67. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 250 | 73. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 860 | 83. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 460 | 86. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 140 | 39. | 1               |
| Phenol   | ND     |           | ug/kg | 180 | 27. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 180 | 28. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 260 | 28. | 1               |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2230540**Project Number:** 3883.0001Y000**Report Date:** 06/23/22**SAMPLE RESULTS**

Lab ID: L2230540-04

Date Collected: 06/09/22 10:20

Client ID: SB018(2-4)

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                                   | ND     |           | ug/kg | 180 | 34. | 1               |
| Benzoic Acid  | ND     |           | ug/kg | 580 | 180 | 1               |
| Benzyl Alcohol  | ND     |           | ug/kg | 180 | 55. | 1               |
| Carbazole   | ND     |           | ug/kg | 180 | 17. | 1               |
| 1,4-Dioxane   | ND     |           | ug/kg | 27  | 8.2 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 79         |           | 25-120              |
| Phenol-d6            | 76         |           | 10-120              |
| Nitrobenzene-d5      | 75         |           | 23-120              |
| 2-Fluorobiphenyl     | 67         |           | 30-120              |
| 2,4,6-Tribromophenol | 97         |           | 10-136              |
| 4-Terphenyl-d14      | 60         |           | 18-120              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230540-05  
**Client ID:** SB020(0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 12:00  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 06/15/22 18:59  
**Analyst:** IM  
**Percent Solids:** 93%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/11/22 00:57

| Parameter   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |     |                 |
| Acenaphthene  | ND     |           | ug/kg | 140 | 18. | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 170 | 20. | 1               |
| Hexachlorobenzene                                       | ND     |           | ug/kg | 100 | 20. | 1               |
| Bis(2-chloroethyl)ether                                 | ND     |           | ug/kg | 160 | 24. | 1               |
| 2-Chloronaphthalene                                     | ND     |           | ug/kg | 170 | 17. | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 170 | 31. | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 170 | 30. | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 170 | 30. | 1               |
| 3,3'-Dichlorobenzidine                                  | ND     |           | ug/kg | 170 | 46. | 1               |
| 2,4-Dinitrotoluene                                      | ND     |           | ug/kg | 170 | 35. | 1               |
| 2,6-Dinitrotoluene                                      | ND     |           | ug/kg | 170 | 30. | 1               |
| Fluoranthene  | 87     | J         | ug/kg | 100 | 20. | 1               |
| 4-Chlorophenyl phenyl ether                             | ND     |           | ug/kg | 170 | 19. | 1               |
| 4-Bromophenyl phenyl ether                              | ND     |           | ug/kg | 170 | 27. | 1               |
| Bis(2-chloroisopropyl)ether                             | ND     |           | ug/kg | 210 | 30. | 1               |
| Bis(2-chloroethoxy)methane                              | ND     |           | ug/kg | 190 | 17. | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 170 | 26. | 1               |
| Hexachlorocyclopentadiene                               | ND     |           | ug/kg | 500 | 160 | 1               |
| Hexachloroethane  | ND     |           | ug/kg | 140 | 28. | 1               |
| Isophorone  | ND     |           | ug/kg | 160 | 23. | 1               |
| Naphthalene   | 31     | J         | ug/kg | 170 | 21. | 1               |
| Nitrobenzene  | ND     |           | ug/kg | 160 | 26. | 1               |
| NDPA/DPA  | ND     |           | ug/kg | 140 | 20. | 1               |
| n-Nitrosodi-n-propylamine                               | ND     |           | ug/kg | 170 | 27. | 1               |
| Bis(2-ethylhexyl)phthalate                              | 83     | J         | ug/kg | 170 | 60. | 1               |
| Butyl benzyl phthalate                                  | ND     |           | ug/kg | 170 | 44. | 1               |
| Di-n-butylphthalate                                     | ND     |           | ug/kg | 170 | 33. | 1               |
| Di-n-octylphthalate                                     | ND     |           | ug/kg | 170 | 59. | 1               |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

## SAMPLE RESULTS

Lab ID: L2230540-05  
 Client ID: SB020(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 12:00  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 170 | 16. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 170 | 37. | 1               |
| Benzo(a)anthracene                               | 72     | J         | ug/kg | 100 | 20. | 1               |
| Benzo(a)pyrene                                   | 84     | J         | ug/kg | 140 | 42. | 1               |
| Benzo(b)fluoranthene                             | 130    |           | ug/kg | 100 | 29. | 1               |
| Benzo(k)fluoranthene                             | 30     | J         | ug/kg | 100 | 28. | 1               |
| Chrysene   | 89     | J         | ug/kg | 100 | 18. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 140 | 27. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 100 | 34. | 1               |
| Benzo(ghi)perylene                               | 63     | J         | ug/kg | 140 | 20. | 1               |
| Fluorene   | ND     |           | ug/kg | 170 | 17. | 1               |
| Phenanthrene                                     | 72     | J         | ug/kg | 100 | 21. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 100 | 20. | 1               |
| Indeno(1,2,3-cd)pyrene                           | 62     | J         | ug/kg | 140 | 24. | 1               |
| Pyrene   | 94     | J         | ug/kg | 100 | 17. | 1               |
| Biphenyl   | ND     |           | ug/kg | 400 | 23. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 170 | 32. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 170 | 34. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 170 | 33. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 170 | 72. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 170 | 16. | 1               |
| 2-Methylnaphthalene                              | 39     | J         | ug/kg | 210 | 21. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 170 | 18. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 170 | 22. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 100 | 33. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 170 | 26. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 170 | 21. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 160 | 28. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 170 | 58. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 380 | 66. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 240 | 71. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 840 | 81. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 450 | 84. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 140 | 38. | 1               |
| Phenol   | ND     |           | ug/kg | 170 | 26. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 170 | 27. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 250 | 27. | 1               |



**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2230540**Project Number:** 3883.0001Y000**Report Date:** 06/23/22**SAMPLE RESULTS**

Lab ID: L2230540-05

Date Collected: 06/09/22 12:00

Client ID: SB020(0-2)

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 170 | 33. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 560 | 180 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 170 | 53. | 1               |
| Carbazole  | ND     |           | ug/kg | 170 | 17. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 26  | 8.0 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 70         |           | 25-120              |
| Phenol-d6            | 66         |           | 10-120              |
| Nitrobenzene-d5      | 76         |           | 23-120              |
| 2-Fluorobiphenyl     | 77         |           | 30-120              |
| 2,4,6-Tribromophenol | 105        |           | 10-136              |
| 4-Terphenyl-d14      | 84         |           | 18-120              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230540-06  
 Client ID: SB020(2-4)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 12:10  
 Date Received: 06/09/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 06/15/22 18:37  
 Analyst: IM  
 Percent Solids: 95%

Extraction Method: EPA 3546  
 Extraction Date: 06/11/22 00:57

| Parameter   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |     |                 |
| Acenaphthene  | ND     |           | ug/kg | 140 | 18. | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 170 | 20. | 1               |
| Hexachlorobenzene                                       | ND     |           | ug/kg | 100 | 19. | 1               |
| Bis(2-chloroethyl)ether                                 | ND     |           | ug/kg | 160 | 23. | 1               |
| 2-Chloronaphthalene                                     | ND     |           | ug/kg | 170 | 17. | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 170 | 31. | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 170 | 30. | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 170 | 30. | 1               |
| 3,3'-Dichlorobenzidine                                  | ND     |           | ug/kg | 170 | 46. | 1               |
| 2,4-Dinitrotoluene                                      | ND     |           | ug/kg | 170 | 34. | 1               |
| 2,6-Dinitrotoluene                                      | ND     |           | ug/kg | 170 | 30. | 1               |
| Fluoranthene  | 200    |           | ug/kg | 100 | 20. | 1               |
| 4-Chlorophenyl phenyl ether                             | ND     |           | ug/kg | 170 | 18. | 1               |
| 4-Bromophenyl phenyl ether                              | ND     |           | ug/kg | 170 | 26. | 1               |
| Bis(2-chloroisopropyl)ether                             | ND     |           | ug/kg | 210 | 30. | 1               |
| Bis(2-chloroethoxy)methane                              | ND     |           | ug/kg | 190 | 17. | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 170 | 25. | 1               |
| Hexachlorocyclopentadiene                               | ND     |           | ug/kg | 490 | 160 | 1               |
| Hexachloroethane  | ND     |           | ug/kg | 140 | 28. | 1               |
| Isophorone  | ND     |           | ug/kg | 160 | 22. | 1               |
| Naphthalene   | ND     |           | ug/kg | 170 | 21. | 1               |
| Nitrobenzene  | ND     |           | ug/kg | 160 | 26. | 1               |
| NDPA/DPA  | ND     |           | ug/kg | 140 | 20. | 1               |
| n-Nitrosodi-n-propylamine                               | ND     |           | ug/kg | 170 | 27. | 1               |
| Bis(2-ethylhexyl)phthalate                              | 63     | J         | ug/kg | 170 | 60. | 1               |
| Butyl benzyl phthalate                                  | ND     |           | ug/kg | 170 | 44. | 1               |
| Di-n-butylphthalate                                     | ND     |           | ug/kg | 170 | 33. | 1               |
| Di-n-octylphthalate                                     | ND     |           | ug/kg | 170 | 59. | 1               |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

## SAMPLE RESULTS

Lab ID: L2230540-06  
 Client ID: SB020(2-4)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 12:10  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 170 | 16. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 170 | 36. | 1               |
| Benzo(a)anthracene                               | 89     | J         | ug/kg | 100 | 19. | 1               |
| Benzo(a)pyrene                                   | 98     | J         | ug/kg | 140 | 42. | 1               |
| Benzo(b)fluoranthene                             | 130    |           | ug/kg | 100 | 29. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 100 | 28. | 1               |
| Chrysene   | 110    |           | ug/kg | 100 | 18. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 140 | 27. | 1               |
| Anthracene                                       | 37     | J         | ug/kg | 100 | 34. | 1               |
| Benzo(ghi)perylene                               | 60     | J         | ug/kg | 140 | 20. | 1               |
| Fluorene   | ND     |           | ug/kg | 170 | 17. | 1               |
| Phenanthrene                                     | 170    |           | ug/kg | 100 | 21. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 100 | 20. | 1               |
| Indeno(1,2,3-cd)pyrene                           | 64     | J         | ug/kg | 140 | 24. | 1               |
| Pyrene   | 180    |           | ug/kg | 100 | 17. | 1               |
| Biphenyl   | ND     |           | ug/kg | 390 | 22. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 170 | 31. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 170 | 33. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 170 | 33. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 170 | 72. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 170 | 16. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 210 | 21. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 170 | 18. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 170 | 21. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 100 | 33. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 170 | 26. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 170 | 20. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 160 | 28. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 170 | 57. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 370 | 65. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 240 | 70. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 830 | 80. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 450 | 83. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 140 | 38. | 1               |
| Phenol   | ND     |           | ug/kg | 170 | 26. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 170 | 27. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 250 | 27. | 1               |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2230540**Project Number:** 3883.0001Y000**Report Date:** 06/23/22**SAMPLE RESULTS**

Lab ID: L2230540-06

Date Collected: 06/09/22 12:10

Client ID: SB020(2-4)

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 170 | 33. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 560 | 180 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 170 | 53. | 1               |
| Carbazole  | 17     | J         | ug/kg | 170 | 17. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 26  | 8.0 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 88         |           | 25-120              |
| Phenol-d6            | 83         |           | 10-120              |
| Nitrobenzene-d5      | 86         |           | 23-120              |
| 2-Fluorobiphenyl     | 86         |           | 30-120              |
| 2,4,6-Tribromophenol | 126        |           | 10-136              |
| 4-Terphenyl-d14      | 97         |           | 18-120              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230540-07 D  
 Client ID: DUP\_060922  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 11:00  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 06/15/22 21:14  
 Analyst: IM  
 Percent Solids: 94%

Extraction Method: EPA 3546  
 Extraction Date: 06/11/22 00:57

| Parameter   | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---|--------|-----------|-------|------|-----|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |      |     |                 |
| Acenaphthene  | ND     |           | ug/kg | 690  | 90. | 5               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 870  | 99. | 5               |
| Hexachlorobenzene                                       | ND     |           | ug/kg | 520  | 97. | 5               |
| Bis(2-chloroethyl)ether                                 | ND     |           | ug/kg | 780  | 120 | 5               |
| 2-Chloronaphthalene                                     | ND     |           | ug/kg | 870  | 86. | 5               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 870  | 160 | 5               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 870  | 150 | 5               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 870  | 150 | 5               |
| 3,3'-Dichlorobenzidine                                  | ND     |           | ug/kg | 870  | 230 | 5               |
| 2,4-Dinitrotoluene                                      | ND     |           | ug/kg | 870  | 170 | 5               |
| 2,6-Dinitrotoluene                                      | ND     |           | ug/kg | 870  | 150 | 5               |
| Fluoranthene  | 190    | J         | ug/kg | 520  | 99. | 5               |
| 4-Chlorophenyl phenyl ether                             | ND     |           | ug/kg | 870  | 93. | 5               |
| 4-Bromophenyl phenyl ether                              | ND     |           | ug/kg | 870  | 130 | 5               |
| Bis(2-chloroisopropyl)ether                             | ND     |           | ug/kg | 1000 | 150 | 5               |
| Bis(2-chloroethoxy)methane                              | ND     |           | ug/kg | 940  | 87. | 5               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 870  | 130 | 5               |
| Hexachlorocyclopentadiene                               | ND     |           | ug/kg | 2500 | 780 | 5               |
| Hexachloroethane  | ND     |           | ug/kg | 690  | 140 | 5               |
| Isophorone  | ND     |           | ug/kg | 780  | 110 | 5               |
| Naphthalene   | ND     |           | ug/kg | 870  | 100 | 5               |
| Nitrobenzene  | ND     |           | ug/kg | 780  | 130 | 5               |
| NDPA/DPA  | ND     |           | ug/kg | 690  | 98. | 5               |
| n-Nitrosodi-n-propylamine                               | ND     |           | ug/kg | 870  | 130 | 5               |
| Bis(2-ethylhexyl)phthalate                              | 320    | J         | ug/kg | 870  | 300 | 5               |
| Butyl benzyl phthalate                                  | ND     |           | ug/kg | 870  | 220 | 5               |
| Di-n-butylphthalate                                     | ND     |           | ug/kg | 870  | 160 | 5               |
| Di-n-octylphthalate                                     | ND     |           | ug/kg | 870  | 290 | 5               |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

## SAMPLE RESULTS

Lab ID: L2230540-07 D

Date Collected: 06/09/22 11:00

Client ID: DUP\_060922

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|--|--------|-----------|-------|------|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |      |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 870  | 80. | 5               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 870  | 180 | 5               |
| Benzo(a)anthracene                               | 140    | J         | ug/kg | 520  | 98. | 5               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 690  | 210 | 5               |
| Benzo(b)fluoranthene                             | 160    | J         | ug/kg | 520  | 140 | 5               |
| Benzo(k)fluoranthene                             | 190    | J         | ug/kg | 520  | 140 | 5               |
| Chrysene   | 150    | J         | ug/kg | 520  | 90. | 5               |
| Acenaphthylene                                   | ND     |           | ug/kg | 690  | 130 | 5               |
| Anthracene                                       | ND     |           | ug/kg | 520  | 170 | 5               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 690  | 100 | 5               |
| Fluorene   | ND     |           | ug/kg | 870  | 84. | 5               |
| Phenanthrene                                     | 110    | J         | ug/kg | 520  | 100 | 5               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 520  | 100 | 5               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 690  | 120 | 5               |
| Pyrene   | 180    | J         | ug/kg | 520  | 86. | 5               |
| Biphenyl   | ND     |           | ug/kg | 2000 | 110 | 5               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 870  | 160 | 5               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 870  | 170 | 5               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 870  | 160 | 5               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 870  | 360 | 5               |
| Dibenzofuran                                     | ND     |           | ug/kg | 870  | 82. | 5               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 1000 | 100 | 5               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 870  | 90. | 5               |
| Acetophenone                                     | ND     |           | ug/kg | 870  | 110 | 5               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 520  | 160 | 5               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 870  | 130 | 5               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 870  | 100 | 5               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 780  | 140 | 5               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 870  | 280 | 5               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 1900 | 320 | 5               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 1200 | 350 | 5               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 4200 | 400 | 5               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 2200 | 420 | 5               |
| Pentachlorophenol                                | ND     |           | ug/kg | 690  | 190 | 5               |
| Phenol   | ND     |           | ug/kg | 870  | 130 | 5               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 870  | 130 | 5               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 1200 | 140 | 5               |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2230540**Project Number:** 3883.0001Y000**Report Date:** 06/23/22**SAMPLE RESULTS**

Lab ID: L2230540-07 D

Date Collected: 06/09/22 11:00

Client ID: DUP\_060922

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|--|--------|-----------|-------|------|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |      |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 870  | 160 | 5               |
| Benzoic Acid                                     | ND     |           | ug/kg | 2800 | 880 | 5               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 870  | 260 | 5               |
| Carbazole  | ND     |           | ug/kg | 870  | 84. | 5               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 130  | 40. | 5               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 70         |           | 25-120              |
| Phenol-d6            | 68         |           | 10-120              |
| Nitrobenzene-d5      | 63         |           | 23-120              |
| 2-Fluorobiphenyl     | 77         |           | 30-120              |
| 2,4,6-Tribromophenol | 99         |           | 10-136              |
| 4-Terphenyl-d14      | 88         |           | 18-120              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230540-08 D  
 Client ID: SB021(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 14:00  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 06/15/22 21:37  
 Analyst: IM  
 Percent Solids: 94%

Extraction Method: EPA 3546  
 Extraction Date: 06/11/22 00:58

| Parameter   | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---|--------|-----------|-------|------|-----|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |      |     |                 |
| Acenaphthene  | ND     |           | ug/kg | 690  | 90. | 5               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 870  | 99. | 5               |
| Hexachlorobenzene                                       | ND     |           | ug/kg | 520  | 97. | 5               |
| Bis(2-chloroethyl)ether                                 | ND     |           | ug/kg | 780  | 120 | 5               |
| 2-Chloronaphthalene                                     | ND     |           | ug/kg | 870  | 86. | 5               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 870  | 160 | 5               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 870  | 150 | 5               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 870  | 150 | 5               |
| 3,3'-Dichlorobenzidine                                  | ND     |           | ug/kg | 870  | 230 | 5               |
| 2,4-Dinitrotoluene                                      | ND     |           | ug/kg | 870  | 170 | 5               |
| 2,6-Dinitrotoluene                                      | ND     |           | ug/kg | 870  | 150 | 5               |
| Fluoranthene  | ND     |           | ug/kg | 520  | 100 | 5               |
| 4-Chlorophenyl phenyl ether                             | ND     |           | ug/kg | 870  | 93. | 5               |
| 4-Bromophenyl phenyl ether                              | ND     |           | ug/kg | 870  | 130 | 5               |
| Bis(2-chloroisopropyl)ether                             | ND     |           | ug/kg | 1000 | 150 | 5               |
| Bis(2-chloroethoxy)methane                              | ND     |           | ug/kg | 940  | 87. | 5               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 870  | 130 | 5               |
| Hexachlorocyclopentadiene                               | ND     |           | ug/kg | 2500 | 790 | 5               |
| Hexachloroethane  | ND     |           | ug/kg | 690  | 140 | 5               |
| Isophorone  | ND     |           | ug/kg | 780  | 110 | 5               |
| Naphthalene   | ND     |           | ug/kg | 870  | 100 | 5               |
| Nitrobenzene  | ND     |           | ug/kg | 780  | 130 | 5               |
| NDPA/DPA  | ND     |           | ug/kg | 690  | 99. | 5               |
| n-Nitrosodi-n-propylamine                               | ND     |           | ug/kg | 870  | 130 | 5               |
| Bis(2-ethylhexyl)phthalate                              | ND     |           | ug/kg | 870  | 300 | 5               |
| Butyl benzyl phthalate                                  | ND     |           | ug/kg | 870  | 220 | 5               |
| Di-n-butylphthalate                                     | ND     |           | ug/kg | 870  | 160 | 5               |
| Di-n-octylphthalate                                     | ND     |           | ug/kg | 870  | 300 | 5               |



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

## SAMPLE RESULTS

Lab ID: L2230540-08 D

Date Collected: 06/09/22 14:00

Client ID: SB021(0-2)

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|--|--------|-----------|-------|------|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |      |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 870  | 80. | 5               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 870  | 180 | 5               |
| Benzo(a)anthracene                               | ND     |           | ug/kg | 520  | 98. | 5               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 690  | 210 | 5               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 520  | 150 | 5               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 520  | 140 | 5               |
| Chrysene   | ND     |           | ug/kg | 520  | 90. | 5               |
| Acenaphthylene                                   | ND     |           | ug/kg | 690  | 130 | 5               |
| Anthracene                                       | ND     |           | ug/kg | 520  | 170 | 5               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 690  | 100 | 5               |
| Fluorene   | ND     |           | ug/kg | 870  | 84. | 5               |
| Phenanthrene                                     | ND     |           | ug/kg | 520  | 100 | 5               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 520  | 100 | 5               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 690  | 120 | 5               |
| Pyrene   | ND     |           | ug/kg | 520  | 86. | 5               |
| Biphenyl   | ND     |           | ug/kg | 2000 | 110 | 5               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 870  | 160 | 5               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 870  | 170 | 5               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 870  | 160 | 5               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 870  | 360 | 5               |
| Dibenzofuran                                     | ND     |           | ug/kg | 870  | 82. | 5               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 1000 | 100 | 5               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 870  | 91. | 5               |
| Acetophenone                                     | ND     |           | ug/kg | 870  | 110 | 5               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 520  | 160 | 5               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 870  | 130 | 5               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 870  | 100 | 5               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 780  | 140 | 5               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 870  | 290 | 5               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 1900 | 330 | 5               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 1200 | 350 | 5               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 4200 | 400 | 5               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 2200 | 420 | 5               |
| Pentachlorophenol                                | ND     |           | ug/kg | 690  | 190 | 5               |
| Phenol   | ND     |           | ug/kg | 870  | 130 | 5               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 870  | 130 | 5               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 1200 | 140 | 5               |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2230540**Project Number:** 3883.0001Y000**Report Date:** 06/23/22**SAMPLE RESULTS**

Lab ID: L2230540-08 D

Date Collected: 06/09/22 14:00

Client ID: SB021(0-2)

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|--|--------|-----------|-------|------|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |      |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 870  | 170 | 5               |
| Benzoic Acid                                     | ND     |           | ug/kg | 2800 | 880 | 5               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 870  | 260 | 5               |
| Carbazole  | ND     |           | ug/kg | 870  | 84. | 5               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 130  | 40. | 5               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 63         |           | 25-120              |
| Phenol-d6            | 60         |           | 10-120              |
| Nitrobenzene-d5      | 58         |           | 23-120              |
| 2-Fluorobiphenyl     | 64         |           | 30-120              |
| 2,4,6-Tribromophenol | 88         |           | 10-136              |
| 4-Terphenyl-d14      | 61         |           | 18-120              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230540-09  
 Client ID: SB021(2-4)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 14:10  
 Date Received: 06/09/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 06/15/22 20:29  
 Analyst: IM  
 Percent Solids: 94%

Extraction Method: EPA 3546  
 Extraction Date: 06/11/22 00:58

| Parameter   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |     |                 |
| Acenaphthene  | ND     |           | ug/kg | 140 | 18. | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 170 | 20. | 1               |
| Hexachlorobenzene                                       | ND     |           | ug/kg | 100 | 20. | 1               |
| Bis(2-chloroethyl)ether                                 | ND     |           | ug/kg | 160 | 24. | 1               |
| 2-Chloronaphthalene                                     | ND     |           | ug/kg | 170 | 17. | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 170 | 31. | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 170 | 30. | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 170 | 30. | 1               |
| 3,3'-Dichlorobenzidine                                  | ND     |           | ug/kg | 170 | 46. | 1               |
| 2,4-Dinitrotoluene                                      | ND     |           | ug/kg | 170 | 35. | 1               |
| 2,6-Dinitrotoluene                                      | ND     |           | ug/kg | 170 | 30. | 1               |
| Fluoranthene  | ND     |           | ug/kg | 100 | 20. | 1               |
| 4-Chlorophenyl phenyl ether                             | ND     |           | ug/kg | 170 | 19. | 1               |
| 4-Bromophenyl phenyl ether                              | ND     |           | ug/kg | 170 | 27. | 1               |
| Bis(2-chloroisopropyl)ether                             | ND     |           | ug/kg | 210 | 30. | 1               |
| Bis(2-chloroethoxy)methane                              | ND     |           | ug/kg | 190 | 18. | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 170 | 26. | 1               |
| Hexachlorocyclopentadiene                               | ND     |           | ug/kg | 500 | 160 | 1               |
| Hexachloroethane  | ND     |           | ug/kg | 140 | 28. | 1               |
| Isophorone  | ND     |           | ug/kg | 160 | 23. | 1               |
| Naphthalene   | ND     |           | ug/kg | 170 | 21. | 1               |
| Nitrobenzene  | ND     |           | ug/kg | 160 | 26. | 1               |
| NDPA/DPA  | ND     |           | ug/kg | 140 | 20. | 1               |
| n-Nitrosodi-n-propylamine                               | ND     |           | ug/kg | 170 | 27. | 1               |
| Bis(2-ethylhexyl)phthalate                              | 67     | J         | ug/kg | 170 | 60. | 1               |
| Butyl benzyl phthalate                                  | ND     |           | ug/kg | 170 | 44. | 1               |
| Di-n-butylphthalate                                     | ND     |           | ug/kg | 170 | 33. | 1               |
| Di-n-octylphthalate                                     | ND     |           | ug/kg | 170 | 59. | 1               |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

## SAMPLE RESULTS

Lab ID: L2230540-09  
 Client ID: SB021(2-4)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 14:10  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 170 | 16. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 170 | 37. | 1               |
| Benzo(a)anthracene                               | ND     |           | ug/kg | 100 | 20. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 140 | 43. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 100 | 29. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 100 | 28. | 1               |
| Chrysene   | ND     |           | ug/kg | 100 | 18. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 140 | 27. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 100 | 34. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 140 | 20. | 1               |
| Fluorene   | ND     |           | ug/kg | 170 | 17. | 1               |
| Phenanthrene                                     | ND     |           | ug/kg | 100 | 21. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 100 | 20. | 1               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 140 | 24. | 1               |
| Pyrene   | ND     |           | ug/kg | 100 | 17. | 1               |
| Biphenyl   | ND     |           | ug/kg | 400 | 23. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 170 | 32. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 170 | 34. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 170 | 33. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 170 | 72. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 170 | 16. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 210 | 21. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 170 | 18. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 170 | 22. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 100 | 33. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 170 | 26. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 170 | 21. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 160 | 28. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 170 | 58. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 380 | 66. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 240 | 71. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 840 | 81. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 450 | 84. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 140 | 38. | 1               |
| Phenol   | ND     |           | ug/kg | 170 | 26. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 170 | 27. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 250 | 27. | 1               |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2230540**Project Number:** 3883.0001Y000**Report Date:** 06/23/22**SAMPLE RESULTS**

Lab ID: L2230540-09

Date Collected: 06/09/22 14:10

Client ID: SB021(2-4)

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 170 | 33. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 570 | 180 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 170 | 53. | 1               |
| Carbazole  | ND     |           | ug/kg | 170 | 17. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 26  | 8.0 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 63         |           | 25-120              |
| Phenol-d6            | 61         |           | 10-120              |
| Nitrobenzene-d5      | 58         |           | 23-120              |
| 2-Fluorobiphenyl     | 60         |           | 30-120              |
| 2,4,6-Tribromophenol | 84         |           | 10-136              |
| 4-Terphenyl-d14      | 59         |           | 18-120              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 06/10/22 17:53  
Analyst: IM

Extraction Method: EPA 3546  
Extraction Date: 06/10/22 08:40

| Parameter   | Result | Qualifier | Units | RL  | MDL |
|---|--------|-----------|-------|-----|-----|
| Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG1648972-1 |        |           |       |     |     |
| Acenaphthene  | ND     |           | ug/kg | 130 | 17. |
| 1,2,4-Trichlorobenzene  | ND     |           | ug/kg | 160 | 19. |
| Hexachlorobenzene   | ND     |           | ug/kg | 98  | 18. |
| Bis(2-chloroethyl)ether   | ND     |           | ug/kg | 150 | 22. |
| 2-Chloronaphthalene   | ND     |           | ug/kg | 160 | 16. |
| 1,2-Dichlorobenzene   | ND     |           | ug/kg | 160 | 29. |
| 1,3-Dichlorobenzene   | ND     |           | ug/kg | 160 | 28. |
| 1,4-Dichlorobenzene   | ND     |           | ug/kg | 160 | 28. |
| 3,3'-Dichlorobenzidine  | ND     |           | ug/kg | 160 | 44. |
| 2,4-Dinitrotoluene  | ND     |           | ug/kg | 160 | 33. |
| 2,6-Dinitrotoluene  | ND     |           | ug/kg | 160 | 28. |
| Fluoranthene  | ND     |           | ug/kg | 98  | 19. |
| 4-Chlorophenyl phenyl ether   | ND     |           | ug/kg | 160 | 18. |
| 4-Bromophenyl phenyl ether  | ND     |           | ug/kg | 160 | 25. |
| Bis(2-chloroisopropyl)ether   | ND     |           | ug/kg | 200 | 28. |
| Bis(2-chloroethoxy)methane  | ND     |           | ug/kg | 180 | 16. |
| Hexachlorobutadiene   | ND     |           | ug/kg | 160 | 24. |
| Hexachlorocyclopentadiene   | ND     |           | ug/kg | 470 | 150 |
| Hexachloroethane  | ND     |           | ug/kg | 130 | 26. |
| Isophorone  | ND     |           | ug/kg | 150 | 21. |
| Naphthalene   | ND     |           | ug/kg | 160 | 20. |
| Nitrobenzene  | ND     |           | ug/kg | 150 | 24. |
| NDPA/DPA  | ND     |           | ug/kg | 130 | 19. |
| n-Nitrosodi-n-propylamine   | ND     |           | ug/kg | 160 | 25. |
| Bis(2-ethylhexyl)phthalate  | ND     |           | ug/kg | 160 | 56. |
| Butyl benzyl phthalate  | ND     |           | ug/kg | 160 | 41. |
| Di-n-butylphthalate   | ND     |           | ug/kg | 160 | 31. |
| Di-n-octylphthalate   | ND     |           | ug/kg | 160 | 56. |
| Diethyl phthalate   | ND     |           | ug/kg | 160 | 15. |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 06/10/22 17:53  
Analyst: IM

Extraction Method: EPA 3546  
Extraction Date: 06/10/22 08:40

| Parameter  | Result | Qualifier | Units | RL  | MDL |
|--|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG1648972-1 |        |           |       |     |     |
| Dimethyl phthalate   | ND     |           | ug/kg | 160 | 34. |
| Benzo(a)anthracene   | ND     |           | ug/kg | 98  | 18. |
| Benzo(a)pyrene   | ND     |           | ug/kg | 130 | 40. |
| Benzo(b)fluoranthene   | ND     |           | ug/kg | 98  | 28. |
| Benzo(k)fluoranthene   | ND     |           | ug/kg | 98  | 26. |
| Chrysene   | ND     |           | ug/kg | 98  | 17. |
| Acenaphthylene   | ND     |           | ug/kg | 130 | 25. |
| Anthracene   | ND     |           | ug/kg | 98  | 32. |
| Benzo(ghi)perylene   | ND     |           | ug/kg | 130 | 19. |
| Fluorene   | ND     |           | ug/kg | 160 | 16. |
| Phenanthrene   | ND     |           | ug/kg | 98  | 20. |
| Dibenzo(a,h)anthracene   | ND     |           | ug/kg | 98  | 19. |
| Indeno(1,2,3-cd)pyrene   | ND     |           | ug/kg | 130 | 23. |
| Pyrene   | ND     |           | ug/kg | 98  | 16. |
| Biphenyl   | ND     |           | ug/kg | 370 | 21. |
| 4-Chloroaniline  | ND     |           | ug/kg | 160 | 30. |
| 2-Nitroaniline   | ND     |           | ug/kg | 160 | 32. |
| 3-Nitroaniline   | ND     |           | ug/kg | 160 | 31. |
| 4-Nitroaniline   | ND     |           | ug/kg | 160 | 68. |
| Dibenzofuran   | ND     |           | ug/kg | 160 | 15. |
| 2-Methylnaphthalene  | ND     |           | ug/kg | 200 | 20. |
| 1,2,4,5-Tetrachlorobenzene   | ND     |           | ug/kg | 160 | 17. |
| Acetophenone   | ND     |           | ug/kg | 160 | 20. |
| 2,4,6-Trichlorophenol  | ND     |           | ug/kg | 98  | 31. |
| p-Chloro-m-cresol  | ND     |           | ug/kg | 160 | 24. |
| 2-Chlorophenol   | ND     |           | ug/kg | 160 | 19. |
| 2,4-Dichlorophenol   | ND     |           | ug/kg | 150 | 26. |
| 2,4-Dimethylphenol   | ND     |           | ug/kg | 160 | 54. |
| 2-Nitrophenol  | ND     |           | ug/kg | 350 | 61. |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 06/10/22 17:53  
Analyst: IM

Extraction Method: EPA 3546  
Extraction Date: 06/10/22 08:40

| Parameter  | Result | Qualifier | Units | RL  | MDL |
|--|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG1648972-1 |        |           |       |     |     |
| 4-Nitrophenol  | ND     |           | ug/kg | 230 | 67. |
| 2,4-Dinitrophenol  | ND     |           | ug/kg | 780 | 76. |
| 4,6-Dinitro-o-cresol   | ND     |           | ug/kg | 420 | 78. |
| Pentachlorophenol  | ND     |           | ug/kg | 130 | 36. |
| Phenol   | ND     |           | ug/kg | 160 | 25. |
| 2-Methylphenol   | ND     |           | ug/kg | 160 | 25. |
| 3-Methylphenol/4-Methylphenol  | ND     |           | ug/kg | 240 | 26. |
| 2,4,5-Trichlorophenol  | ND     |           | ug/kg | 160 | 31. |
| Benzoic Acid   | ND     |           | ug/kg | 530 | 160 |
| Benzyl Alcohol   | ND     |           | ug/kg | 160 | 50. |
| Carbazole  | ND     |           | ug/kg | 160 | 16. |
| 1,4-Dioxane  | ND     |           | ug/kg | 24  | 7.5 |

| Surrogate            | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|---------------------|
| 2-Fluorophenol       | 59        |           | 25-120              |
| Phenol-d6            | 59        |           | 10-120              |
| Nitrobenzene-d5      | 53        |           | 23-120              |
| 2-Fluorobiphenyl     | 61        |           | 30-120              |
| 2,4,6-Tribromophenol | 62        |           | 10-136              |
| 4-Terphenyl-d14      | 58        |           | 18-120              |



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG1648972-2 WG1648972-3 |                  |      |                   |      |                     |     |      |               |
| Acenaphthene  | 79               |      | 82                |      | 31-137              | 4   |      | 50            |
| 1,2,4-Trichlorobenzene  | 83               |      | 85                |      | 38-107              | 2   |      | 50            |
| Hexachlorobenzene   | 74               |      | 78                |      | 40-140              | 5   |      | 50            |
| Bis(2-chloroethyl)ether   | 78               |      | 76                |      | 40-140              | 3   |      | 50            |
| 2-Chloronaphthalene   | 80               |      | 82                |      | 40-140              | 2   |      | 50            |
| 1,2-Dichlorobenzene   | 81               |      | 82                |      | 40-140              | 1   |      | 50            |
| 1,3-Dichlorobenzene   | 80               |      | 83                |      | 40-140              | 4   |      | 50            |
| 1,4-Dichlorobenzene   | 78               |      | 80                |      | 28-104              | 3   |      | 50            |
| 3,3'-Dichlorobenzidine  | 71               |      | 72                |      | 40-140              | 1   |      | 50            |
| 2,4-Dinitrotoluene  | 76               |      | 81                |      | 40-132              | 6   |      | 50            |
| 2,6-Dinitrotoluene  | 81               |      | 84                |      | 40-140              | 4   |      | 50            |
| Fluoranthene  | 79               |      | 82                |      | 40-140              | 4   |      | 50            |
| 4-Chlorophenyl phenyl ether   | 75               |      | 79                |      | 40-140              | 5   |      | 50            |
| 4-Bromophenyl phenyl ether  | 78               |      | 79                |      | 40-140              | 1   |      | 50            |
| Bis(2-chloroisopropyl)ether   | 79               |      | 79                |      | 40-140              | 0   |      | 50            |
| Bis(2-chloroethoxy)methane  | 77               |      | 78                |      | 40-117              | 1   |      | 50            |
| Hexachlorobutadiene   | 76               |      | 81                |      | 40-140              | 6   |      | 50            |
| Hexachlorocyclopentadiene   | 80               |      | 83                |      | 40-140              | 4   |      | 50            |
| Hexachloroethane  | 76               |      | 79                |      | 40-140              | 4   |      | 50            |
| Isophorone  | 72               |      | 72                |      | 40-140              | 0   |      | 50            |
| Naphthalene   | 81               |      | 82                |      | 40-140              | 1   |      | 50            |
| Nitrobenzene  | 72               |      | 75                |      | 40-140              | 4   |      | 50            |
| NDPA/DPA  | 80               |      | 82                |      | 36-157              | 2   |      | 50            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG1648972-2 WG1648972-3 |                  |      |                   |      |                     |     |      |               |
| n-Nitrosodi-n-propylamine   | 76               |      | 76                |      | 32-121              | 0   |      | 50            |
| Bis(2-ethylhexyl)phthalate  | 91               |      | 98                |      | 40-140              | 7   |      | 50            |
| Butyl benzyl phthalate  | 77               |      | 82                |      | 40-140              | 6   |      | 50            |
| Di-n-butylphthalate   | 85               |      | 88                |      | 40-140              | 3   |      | 50            |
| Di-n-octylphthalate   | 88               |      | 95                |      | 40-140              | 8   |      | 50            |
| Diethyl phthalate   | 78               |      | 79                |      | 40-140              | 1   |      | 50            |
| Dimethyl phthalate  | 78               |      | 81                |      | 40-140              | 4   |      | 50            |
| Benzo(a)anthracene  | 80               |      | 84                |      | 40-140              | 5   |      | 50            |
| Benzo(a)pyrene  | 82               |      | 87                |      | 40-140              | 6   |      | 50            |
| Benzo(b)fluoranthene  | 82               |      | 85                |      | 40-140              | 4   |      | 50            |
| Benzo(k)fluoranthene  | 73               |      | 77                |      | 40-140              | 5   |      | 50            |
| Chrysene  | 78               |      | 84                |      | 40-140              | 7   |      | 50            |
| Acenaphthylene  | 83               |      | 86                |      | 40-140              | 4   |      | 50            |
| Anthracene  | 82               |      | 82                |      | 40-140              | 0   |      | 50            |
| Benzo(ghi)perylene  | 76               |      | 82                |      | 40-140              | 8   |      | 50            |
| Fluorene  | 79               |      | 82                |      | 40-140              | 4   |      | 50            |
| Phenanthrene  | 79               |      | 83                |      | 40-140              | 5   |      | 50            |
| Dibenzo(a,h)anthracene  | 74               |      | 80                |      | 40-140              | 8   |      | 50            |
| Indeno(1,2,3-cd)pyrene  | 82               |      | 89                |      | 40-140              | 8   |      | 50            |
| Pyrene  | 78               |      | 82                |      | 35-142              | 5   |      | 50            |
| Biphenyl  | 79               |      | 80                |      | 37-127              | 1   |      | 50            |
| 4-Chloroaniline   | 73               |      | 73                |      | 40-140              | 0   |      | 50            |
| 2-Nitroaniline  | 82               |      | 84                |      | 47-134              | 2   |      | 50            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG1648972-2 WG1648972-3 |                  |      |                   |      |                     |     |      |               |
| 3-Nitroaniline  | 73               |      | 69                |      | 26-129              | 6   |      | 50            |
| 4-Nitroaniline  | 76               |      | 82                |      | 41-125              | 8   |      | 50            |
| Dibenzofuran  | 82               |      | 83                |      | 40-140              | 1   |      | 50            |
| 2-Methylnaphthalene   | 80               |      | 82                |      | 40-140              | 2   |      | 50            |
| 1,2,4,5-Tetrachlorobenzene  | 82               |      | 80                |      | 40-117              | 2   |      | 50            |
| Acetophenone  | 77               |      | 78                |      | 14-144              | 1   |      | 50            |
| 2,4,6-Trichlorophenol   | 84               |      | 88                |      | 30-130              | 5   |      | 50            |
| p-Chloro-m-cresol   | 79               |      | 81                |      | 26-103              | 3   |      | 50            |
| 2-Chlorophenol  | 84               |      | 85                |      | 25-102              | 1   |      | 50            |
| 2,4-Dichlorophenol  | 86               |      | 89                |      | 30-130              | 3   |      | 50            |
| 2,4-Dimethylphenol  | 77               |      | 76                |      | 30-130              | 1   |      | 50            |
| 2-Nitrophenol   | 80               |      | 80                |      | 30-130              | 0   |      | 50            |
| 4-Nitrophenol   | 78               |      | 80                |      | 11-114              | 3   |      | 50            |
| 2,4-Dinitrophenol   | 80               |      | 83                |      | 4-130               | 4   |      | 50            |
| 4,6-Dinitro-o-cresol  | 77               |      | 79                |      | 10-130              | 3   |      | 50            |
| Pentachlorophenol   | 77               |      | 79                |      | 17-109              | 3   |      | 50            |
| Phenol  | 83               |      | 83                |      | 26-90               | 0   |      | 50            |
| 2-Methylphenol  | 84               |      | 84                |      | 30-130.             | 0   |      | 50            |
| 3-Methylphenol/4-Methylphenol   | 92               |      | 91                |      | 30-130              | 1   |      | 50            |
| 2,4,5-Trichlorophenol   | 88               |      | 85                |      | 30-130              | 3   |      | 50            |
| Benzoic Acid  | 74               |      | 70                |      | 10-110              | 6   |      | 50            |
| Benzyl Alcohol  | 79               |      | 80                |      | 40-140              | 1   |      | 50            |
| Carbazole   | 80               |      | 82                |      | 54-128              | 2   |      | 50            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG1648972-2 WG1648972-3 |                  |      |                   |      |                     |     |      |               |
| 1,4-Dioxane   | 63               |      | 63                |      | 40-140              | 0   |      | 50            |

| Surrogate            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol       | 85               |      | 86                |      | 25-120                 |
| Phenol-d6            | 85               |      | 86                |      | 10-120                 |
| Nitrobenzene-d5      | 74               |      | 77                |      | 23-120                 |
| 2-Fluorobiphenyl     | 83               |      | 80                |      | 30-120                 |
| 2,4,6-Tribromophenol | 79               |      | 85                |      | 10-136                 |
| 4-Terphenyl-d14      | 74               |      | 76                |      | 18-120                 |

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2230540

**Project Number:** 3883.0001Y000

**Report Date:** 06/23/22

| <i>Parameter</i>   | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|--|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1648972-4 WG1648972-5 QC Sample: L2230540-03 Client ID: SB018(0-2) |                      |                 |                 |                     |             |                  |                      |             |                        |            |             |                   |
| Acenaphthene   | ND                   | 1370            | 460J            | 34                  |             | 780              | 57                   |             | 31-137                 | 52         | Q           | 50                |
| 1,2,4-Trichlorobenzene   | ND                   | 1370            | 540J            | 39                  |             | 930              | 68                   |             | 38-107                 | 53         | Q           | 50                |
| Hexachlorobenzene  | ND                   | 1370            | 540             | 39                  | Q           | 930              | 68                   |             | 40-140                 | 53         | Q           | 50                |
| Bis(2-chloroethyl)ether  | ND                   | 1370            | 490J            | 36                  | Q           | 890              | 65                   |             | 40-140                 | 58         | Q           | 50                |
| 2-Chloronaphthalene  | ND                   | 1370            | 530J            | 39                  | Q           | 910              | 66                   |             | 40-140                 | 53         | Q           | 50                |
| 1,2-Dichlorobenzene  | ND                   | 1370            | 500J            | 36                  | Q           | 890              | 65                   |             | 40-140                 | 56         | Q           | 50                |
| 1,3-Dichlorobenzene  | ND                   | 1370            | 490J            | 36                  | Q           | 880              | 64                   |             | 40-140                 | 57         | Q           | 50                |
| 1,4-Dichlorobenzene  | ND                   | 1370            | 490J            | 36                  |             | 860              | 63                   |             | 28-104                 | 55         | Q           | 50                |
| 3,3'-Dichlorobenzidine   | ND                   | 1370            | 590J            | 43                  |             | 880              | 64                   |             | 40-140                 | 39         |             | 50                |
| 2,4-Dinitrotoluene   | ND                   | 1370            | 440J            | 32                  | Q           | 730J             | 53                   |             | 40-132                 | 50         |             | 50                |
| 2,6-Dinitrotoluene   | ND                   | 1370            | 480J            | 35                  | Q           | 860              | 63                   |             | 40-140                 | 57         | Q           | 50                |
| Fluoranthene   | 56J                  | 1370            | 520             | 38                  | Q           | 850              | 62                   |             | 40-140                 | 48         |             | 50                |
| 4-Chlorophenyl phenyl ether  | ND                   | 1370            | 490J            | 36                  | Q           | 840J             | 61                   |             | 40-140                 | 53         | Q           | 50                |
| 4-Bromophenyl phenyl ether   | ND                   | 1370            | 520J            | 38                  | Q           | 870              | 63                   |             | 40-140                 | 50         |             | 50                |
| Bis(2-chloroisopropyl)ether  | ND                   | 1370            | 520J            | 38                  | Q           | 890J             | 65                   |             | 40-140                 | 52         | Q           | 50                |
| Bis(2-chloroethoxy)methane   | ND                   | 1370            | 550J            | 40                  |             | 940              | 68                   |             | 40-117                 | 52         | Q           | 50                |
| Hexachlorobutadiene  | ND                   | 1370            | 530J            | 39                  | Q           | 940              | 68                   |             | 40-140                 | 56         | Q           | 50                |
| Hexachlorocyclopentadiene  | ND                   | 1370            | ND              | 0                   | Q           | ND               | 0                    | Q           | 40-140                 | NC         |             | 50                |
| Hexachloroethane   | ND                   | 1370            | 410J            | 30                  | Q           | 720              | 52                   |             | 40-140                 | 55         | Q           | 50                |
| Isophorone   | ND                   | 1370            | 580J            | 42                  |             | 1000             | 73                   |             | 40-140                 | 53         | Q           | 50                |
| Naphthalene  | ND                   | 1370            | 520J            | 38                  | Q           | 910              | 66                   |             | 40-140                 | 55         | Q           | 50                |
| Nitrobenzene   | ND                   | 1370            | 580J            | 42                  |             | 1000             | 73                   |             | 40-140                 | 53         | Q           | 50                |
| NDPA/DPA   | ND                   | 1370            | 530J            | 39                  |             | 880              | 64                   |             | 36-157                 | 50         |             | 50                |

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2230540

**Project Number:** 3883.0001Y000

**Report Date:** 06/23/22

| <i>Parameter</i>   | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|--|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1648972-4 WG1648972-5 QC Sample: L2230540-03 Client ID: SB018(0-2) |                      |                 |                 |                     |             |                  |                      |             |                        |            |             |                   |
| n-Nitrosodi-n-propylamine  | ND                   | 1370            | 580J            | 42                  |             | 990              | 72                   |             | 32-121                 | 52         | Q           | 50                |
| Bis(2-ethylhexyl)phthalate   | 180                  | 1370            | 740J            | 41                  |             | 1100             | 67                   |             | 40-140                 | 39         |             | 50                |
| Butyl benzyl phthalate   | ND                   | 1370            | 780J            | 57                  |             | 1100             | 80                   |             | 40-140                 | 34         |             | 50                |
| Di-n-butylphthalate  | ND                   | 1370            | 560J            | 41                  |             | 940              | 68                   |             | 40-140                 | 51         | Q           | 50                |
| Di-n-octylphthalate  | ND                   | 1370            | 810J            | 59                  |             | 1100             | 80                   |             | 40-140                 | 30         |             | 50                |
| Diethyl phthalate  | ND                   | 1370            | 530J            | 39                  | Q           | 850J             | 62                   |             | 40-140                 | 46         |             | 50                |
| Dimethyl phthalate   | ND                   | 1370            | 570J            | 42                  |             | 950              | 69                   |             | 40-140                 | 50         |             | 50                |
| Benzo(a)anthracene   | 36J                  | 1370            | 520             | 38                  | Q           | 880              | 64                   |             | 40-140                 | 51         | Q           | 50                |
| Benzo(a)pyrene   | ND                   | 1370            | 540J            | 39                  | Q           | 910              | 66                   |             | 40-140                 | 51         | Q           | 50                |
| Benzo(b)fluoranthene   | 43J                  | 1370            | 510             | 37                  | Q           | 860              | 63                   |             | 40-140                 | 51         | Q           | 50                |
| Benzo(k)fluoranthene   | ND                   | 1370            | 460J            | 34                  | Q           | 780              | 57                   |             | 40-140                 | 52         | Q           | 50                |
| Chrysene   | 38J                  | 1370            | 450J            | 33                  | Q           | 760              | 55                   |             | 40-140                 | 51         | Q           | 50                |
| Acenaphthylene   | ND                   | 1370            | 580J            | 42                  |             | 980              | 71                   |             | 40-140                 | 51         | Q           | 50                |
| Anthracene   | ND                   | 1370            | 470J            | 34                  | Q           | 790              | 57                   |             | 40-140                 | 51         | Q           | 50                |
| Benzo(ghi)perylene   | 23J                  | 1370            | 500J            | 36                  | Q           | 820              | 60                   |             | 40-140                 | 48         |             | 50                |
| Fluorene   | ND                   | 1370            | 500J            | 36                  | Q           | 830J             | 60                   |             | 40-140                 | 50         |             | 50                |
| Phenanthrene   | 50J                  | 1370            | 470J            | 34                  | Q           | 790              | 57                   |             | 40-140                 | 51         | Q           | 50                |
| Dibenzo(a,h)anthracene   | ND                   | 1370            | 510             | 37                  | Q           | 880              | 64                   |             | 40-140                 | 53         | Q           | 50                |
| Indeno(1,2,3-cd)pyrene   | ND                   | 1370            | 560J            | 41                  |             | 920              | 67                   |             | 40-140                 | 49         |             | 50                |
| Pyrene   | 59J                  | 1370            | 500J            | 36                  |             | 820              | 60                   |             | 35-142                 | 48         |             | 50                |
| Biphenyl   | ND                   | 1370            | 520J            | 38                  |             | 870J             | 63                   |             | 37-127                 | 50         |             | 50                |
| 4-Chloroaniline  | ND                   | 1370            | 450J            | 33                  | Q           | 850J             | 62                   |             | 40-140                 | 62         | Q           | 50                |
| 2-Nitroaniline   | ND                   | 1370            | 630J            | 46                  | Q           | 1000             | 73                   |             | 47-134                 | 45         |             | 50                |

## Matrix Spike Analysis

Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2230540

**Project Number:** 3883.0001Y000

**Report Date:** 06/23/22

| Parameter  | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|--|---------------|----------|----------|--------------|------|-----------|---------------|------|-----------------|-----|------|------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1648972-4 WG1648972-5 QC Sample: L2230540-03 Client ID: SB018(0-2) |               |          |          |              |      |           |               |      |                 |     |      |            |
| 3-Nitroaniline   | ND            | 1370     | 580J     | 42           |      | 950       | 69            |      | 26-129          | 48  |      | 50         |
| 4-Nitroaniline   | ND            | 1370     | 650J     | 47           |      | 1100      | 80            |      | 41-125          | 51  | Q    | 50         |
| Dibenzofuran   | ND            | 1370     | 500J     | 36           | Q    | 820J      | 60            |      | 40-140          | 48  |      | 50         |
| 2-Methylnaphthalene  | 26J           | 1370     | 540J     | 39           | Q    | 910J      | 66            |      | 40-140          | 51  | Q    | 50         |
| 1,2,4,5-Tetrachlorobenzene   | ND            | 1370     | 540J     | 39           | Q    | 940       | 68            |      | 40-117          | 54  | Q    | 50         |
| Acetophenone   | ND            | 1370     | 550J     | 40           |      | 960       | 70            |      | 14-144          | 54  | Q    | 50         |
| 2,4,6-Trichlorophenol  | ND            | 1370     | 640      | 47           |      | 1100      | 80            |      | 30-130          | 53  | Q    | 50         |
| p-Chloro-m-cresol  | ND            | 1370     | 580J     | 42           |      | 1000      | 73            |      | 26-103          | 53  | Q    | 50         |
| 2-Chlorophenol   | ND            | 1370     | 560J     | 41           |      | 930       | 68            |      | 25-102          | 50  |      | 50         |
| 2,4-Dichlorophenol   | ND            | 1370     | 610J     | 44           |      | 1000      | 73            |      | 30-130          | 48  |      | 50         |
| 2,4-Dimethylphenol   | ND            | 1370     | 560J     | 41           |      | 990       | 72            |      | 30-130          | 55  | Q    | 50         |
| 2-Nitrophenol  | ND            | 1370     | 500J     | 36           |      | 790J      | 57            |      | 30-130          | 45  |      | 50         |
| 4-Nitrophenol  | ND            | 1370     | 540J     | 39           |      | 850J      | 62            |      | 11-114          | 45  |      | 50         |
| 2,4-Dinitrophenol  | ND            | 1370     | ND       | 0            | Q    | ND        | 0             | Q    | 4-130           | NC  |      | 50         |
| 4,6-Dinitro-o-cresol   | ND            | 1370     | 530J     | 39           |      | 530J      | 39            |      | 10-130          | 0   |      | 50         |
| Pentachlorophenol  | ND            | 1370     | 770      | 56           |      | 1100      | 80            |      | 17-109          | 35  |      | 50         |
| Phenol   | ND            | 1370     | 590J     | 43           |      | 990       | 72            |      | 26-90           | 51  | Q    | 50         |
| 2-Methylphenol   | ND            | 1370     | 580J     | 42           |      | 970       | 70            |      | 30-130          | 50  |      | 50         |
| 3-Methylphenol/4-Methylphenol  | ND            | 1370     | 560J     | 41           |      | 960J      | 70            |      | 30-130          | 53  | Q    | 50         |
| 2,4,5-Trichlorophenol  | ND            | 1370     | 610J     | 44           |      | 1000      | 73            |      | 30-130          | 48  |      | 50         |
| Benzoic Acid   | ND            | 1370     | ND       | 0            | Q    | ND        | 0             | Q    | 10-110          | NC  |      | 50         |
| Benzyl Alcohol   | ND            | 1370     | 580J     | 42           |      | 990       | 72            |      | 40-140          | 52  | Q    | 50         |
| Carbazole  | ND            | 1370     | 490J     | 36           | Q    | 850J      | 62            |      | 54-128          | 54  | Q    | 50         |

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2230540

**Project Number:** 3883.0001Y000

**Report Date:** 06/23/22

| <i>Parameter</i>   | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|--|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1648972-4 WG1648972-5 QC Sample: L2230540-03 Client ID: SB018(0-2) |                      |                 |                 |                     |             |                  |                      |             |                        |            |             |                   |
| 1,4-Dioxane  | ND                   | 1370            | 350             | 26                  | Q           | 630              | 46                   |             | 40-140                 | 57         | Q           | 50                |

| <i>Surrogate</i>     | <i>MS</i>         |                  | <i>MSD</i>        |                  | <i>Acceptance Criteria</i> |
|----------------------|-------------------|------------------|-------------------|------------------|----------------------------|
|                      | <i>% Recovery</i> | <i>Qualifier</i> | <i>% Recovery</i> | <i>Qualifier</i> |                            |
| 2,4,6-Tribromophenol | 50                |                  | 80                |                  | 10-136                     |
| 2-Fluorobiphenyl     | 39                |                  | 65                |                  | 30-120                     |
| 2-Fluorophenol       | 41                |                  | 73                |                  | 25-120                     |
| 4-Terphenyl-d14      | 37                |                  | 59                |                  | 18-120                     |
| Nitrobenzene-d5      | 41                |                  | 73                |                  | 23-120                     |
| Phenol-d6            | 42                |                  | 73                |                  | 10-120                     |



# PCBS

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230540-01  
 Client ID: SB019(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 09:00  
 Date Received: 06/09/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 06/12/22 11:03  
 Analyst: AD  
 Percent Solids: 86%

Extraction Method: EPA 3546  
 Extraction Date: 06/11/22 05:30  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 06/11/22  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 06/12/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Polychlorinated Biphenyls by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Aroclor 1016   | ND     |           | ug/kg | 37.9 | 3.36 | 1               | A      |
| Aroclor 1221   | ND     |           | ug/kg | 37.9 | 3.79 | 1               | A      |
| Aroclor 1232   | ND     |           | ug/kg | 37.9 | 8.03 | 1               | A      |
| Aroclor 1242   | ND     |           | ug/kg | 37.9 | 5.10 | 1               | A      |
| Aroclor 1248   | ND     |           | ug/kg | 37.9 | 5.68 | 1               | A      |
| Aroclor 1254   | 111    |           | ug/kg | 37.9 | 4.14 | 1               | B      |
| Aroclor 1260   | 80.4   |           | ug/kg | 37.9 | 7.00 | 1               | A      |
| Aroclor 1262   | ND     |           | ug/kg | 37.9 | 4.81 | 1               | A      |
| Aroclor 1268   | ND     |           | ug/kg | 37.9 | 3.92 | 1               | A      |
| PCBs, Total  | 191    |           | ug/kg | 37.9 | 3.36 | 1               | B      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 74         |           | 30-150              | A      |
| Decachlorobiphenyl           | 75         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 81         |           | 30-150              | B      |
| Decachlorobiphenyl           | 78         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230540-02  
**Client ID:** SB019(2-4)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 09:10  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 06/12/22 11:11  
**Analyst:** AD  
**Percent Solids:** 89%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/11/22 05:30  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 06/11/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 06/12/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Polychlorinated Biphenyls by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Aroclor 1016   | ND     |           | ug/kg | 35.5 | 3.16 | 1               | A      |
| Aroclor 1221   | ND     |           | ug/kg | 35.5 | 3.56 | 1               | A      |
| Aroclor 1232   | ND     |           | ug/kg | 35.5 | 7.54 | 1               | A      |
| Aroclor 1242   | ND     |           | ug/kg | 35.5 | 4.79 | 1               | A      |
| Aroclor 1248   | ND     |           | ug/kg | 35.5 | 5.33 | 1               | A      |
| Aroclor 1254   | ND     |           | ug/kg | 35.5 | 3.89 | 1               | A      |
| Aroclor 1260   | 24.4   | J         | ug/kg | 35.5 | 6.57 | 1               | B      |
| Aroclor 1262   | ND     |           | ug/kg | 35.5 | 4.51 | 1               | A      |
| Aroclor 1268   | ND     |           | ug/kg | 35.5 | 3.68 | 1               | A      |
| PCBs, Total  | 24.4   | J         | ug/kg | 35.5 | 3.16 | 1               | B      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 50         |           | 30-150              | A      |
| Decachlorobiphenyl           | 50         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 51         |           | 30-150              | B      |
| Decachlorobiphenyl           | 53         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230540-03  
**Client ID:** SB018(0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 10:10  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 06/12/22 11:19  
**Analyst:** AD  
**Percent Solids:** 95%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/11/22 05:30  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 06/11/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 06/12/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Polychlorinated Biphenyls by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Aroclor 1016   | ND     |           | ug/kg | 34.6 | 3.07 | 1               | A      |
| Aroclor 1221   | ND     |           | ug/kg | 34.6 | 3.46 | 1               | A      |
| Aroclor 1232   | ND     |           | ug/kg | 34.6 | 7.33 | 1               | A      |
| Aroclor 1242   | ND     |           | ug/kg | 34.6 | 4.66 | 1               | A      |
| Aroclor 1248   | ND     |           | ug/kg | 34.6 | 5.19 | 1               | A      |
| Aroclor 1254   | ND     |           | ug/kg | 34.6 | 3.78 | 1               | A      |
| Aroclor 1260   | ND     |           | ug/kg | 34.6 | 6.39 | 1               | A      |
| Aroclor 1262   | ND     |           | ug/kg | 34.6 | 4.39 | 1               | A      |
| Aroclor 1268   | ND     |           | ug/kg | 34.6 | 3.58 | 1               | A      |
| PCBs, Total  | ND     |           | ug/kg | 34.6 | 3.07 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 71         |           | 30-150              | A      |
| Decachlorobiphenyl           | 65         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 72         |           | 30-150              | B      |
| Decachlorobiphenyl           | 63         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230540-04  
 Client ID: SB018(2-4)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 10:20  
 Date Received: 06/09/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 06/12/22 11:43  
 Analyst: AD  
 Percent Solids: 92%

Extraction Method: EPA 3546  
 Extraction Date: 06/11/22 05:30  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 06/11/22  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 06/12/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Polychlorinated Biphenyls by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Aroclor 1016   | ND     |           | ug/kg | 34.9 | 3.10 | 1               | A      |
| Aroclor 1221   | ND     |           | ug/kg | 34.9 | 3.50 | 1               | A      |
| Aroclor 1232   | ND     |           | ug/kg | 34.9 | 7.40 | 1               | A      |
| Aroclor 1242   | ND     |           | ug/kg | 34.9 | 4.70 | 1               | A      |
| Aroclor 1248   | ND     |           | ug/kg | 34.9 | 5.23 | 1               | A      |
| Aroclor 1254   | ND     |           | ug/kg | 34.9 | 3.82 | 1               | A      |
| Aroclor 1260   | ND     |           | ug/kg | 34.9 | 6.45 | 1               | A      |
| Aroclor 1262   | ND     |           | ug/kg | 34.9 | 4.43 | 1               | A      |
| Aroclor 1268   | ND     |           | ug/kg | 34.9 | 3.62 | 1               | A      |
| PCBs, Total  | ND     |           | ug/kg | 34.9 | 3.10 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 49         |           | 30-150              | A      |
| Decachlorobiphenyl           | 41         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 50         |           | 30-150              | B      |
| Decachlorobiphenyl           | 39         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230540-05  
**Client ID:** SB020(0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 12:00  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 06/12/22 11:51  
**Analyst:** AD  
**Percent Solids:** 93%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/11/22 05:30  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 06/11/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 06/12/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Polychlorinated Biphenyls by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Aroclor 1016   | ND     |           | ug/kg | 33.8 | 3.01 | 1               | A      |
| Aroclor 1221   | ND     |           | ug/kg | 33.8 | 3.39 | 1               | A      |
| Aroclor 1232   | ND     |           | ug/kg | 33.8 | 7.18 | 1               | A      |
| Aroclor 1242   | ND     |           | ug/kg | 33.8 | 4.56 | 1               | A      |
| Aroclor 1248   | ND     |           | ug/kg | 33.8 | 5.08 | 1               | A      |
| Aroclor 1254   | ND     |           | ug/kg | 33.8 | 3.70 | 1               | A      |
| Aroclor 1260   | 16.1   | J         | ug/kg | 33.8 | 6.26 | 1               | A      |
| Aroclor 1262   | ND     |           | ug/kg | 33.8 | 4.30 | 1               | A      |
| Aroclor 1268   | ND     |           | ug/kg | 33.8 | 3.51 | 1               | A      |
| PCBs, Total  | 16.1   | J         | ug/kg | 33.8 | 3.01 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 68         |           | 30-150              | A      |
| Decachlorobiphenyl           | 61         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 68         |           | 30-150              | B      |
| Decachlorobiphenyl           | 59         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230540-06  
**Client ID:** SB020(2-4)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 12:10  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 06/12/22 12:22  
**Analyst:** AD  
**Percent Solids:** 95%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/11/22 05:30  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 06/11/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 06/12/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Polychlorinated Biphenyls by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Aroclor 1016   | ND     |           | ug/kg | 34.2 | 3.04 | 1               | A      |
| Aroclor 1221   | ND     |           | ug/kg | 34.2 | 3.42 | 1               | A      |
| Aroclor 1232   | ND     |           | ug/kg | 34.2 | 7.25 | 1               | A      |
| Aroclor 1242   | ND     |           | ug/kg | 34.2 | 4.61 | 1               | A      |
| Aroclor 1248   | ND     |           | ug/kg | 34.2 | 5.13 | 1               | A      |
| Aroclor 1254   | ND     |           | ug/kg | 34.2 | 3.74 | 1               | A      |
| Aroclor 1260   | ND     |           | ug/kg | 34.2 | 6.32 | 1               | A      |
| Aroclor 1262   | ND     |           | ug/kg | 34.2 | 4.34 | 1               | A      |
| Aroclor 1268   | ND     |           | ug/kg | 34.2 | 3.54 | 1               | A      |
| PCBs, Total  | ND     |           | ug/kg | 34.2 | 3.04 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 72         |           | 30-150              | A      |
| Decachlorobiphenyl           | 61         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 73         |           | 30-150              | B      |
| Decachlorobiphenyl           | 58         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230540-07  
 Client ID: DUP\_060922  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 11:00  
 Date Received: 06/09/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 06/12/22 11:59  
 Analyst: AD  
 Percent Solids: 94%

Extraction Method: EPA 3546  
 Extraction Date: 06/11/22 05:30  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 06/11/22  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 06/12/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Polychlorinated Biphenyls by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Aroclor 1016   | ND     |           | ug/kg | 35.0 | 3.10 | 1               | A      |
| Aroclor 1221   | ND     |           | ug/kg | 35.0 | 3.50 | 1               | A      |
| Aroclor 1232   | ND     |           | ug/kg | 35.0 | 7.41 | 1               | A      |
| Aroclor 1242   | ND     |           | ug/kg | 35.0 | 4.71 | 1               | A      |
| Aroclor 1248   | ND     |           | ug/kg | 35.0 | 5.24 | 1               | A      |
| Aroclor 1254   | ND     |           | ug/kg | 35.0 | 3.82 | 1               | A      |
| Aroclor 1260   | 10.9   | J         | ug/kg | 35.0 | 6.46 | 1               | B      |
| Aroclor 1262   | ND     |           | ug/kg | 35.0 | 4.44 | 1               | A      |
| Aroclor 1268   | ND     |           | ug/kg | 35.0 | 3.62 | 1               | A      |
| PCBs, Total  | 10.9   | J         | ug/kg | 35.0 | 3.10 | 1               | B      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 68         |           | 30-150              | A      |
| Decachlorobiphenyl           | 61         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 69         |           | 30-150              | B      |
| Decachlorobiphenyl           | 57         |           | 30-150              | B      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230540-08  
**Client ID:** SB021(0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 14:00  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 06/12/22 12:07  
**Analyst:** AD  
**Percent Solids:** 94%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/11/22 05:30  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 06/11/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 06/12/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Polychlorinated Biphenyls by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Aroclor 1016   | ND     |           | ug/kg | 35.1 | 3.12 | 1               | A      |
| Aroclor 1221   | ND     |           | ug/kg | 35.1 | 3.52 | 1               | A      |
| Aroclor 1232   | ND     |           | ug/kg | 35.1 | 7.44 | 1               | A      |
| Aroclor 1242   | ND     |           | ug/kg | 35.1 | 4.73 | 1               | A      |
| Aroclor 1248   | ND     |           | ug/kg | 35.1 | 5.26 | 1               | A      |
| Aroclor 1254   | ND     |           | ug/kg | 35.1 | 3.84 | 1               | A      |
| Aroclor 1260   | ND     |           | ug/kg | 35.1 | 6.48 | 1               | B      |
| Aroclor 1262   | ND     |           | ug/kg | 35.1 | 4.46 | 1               | A      |
| Aroclor 1268   | ND     |           | ug/kg | 35.1 | 3.64 | 1               | A      |
| PCBs, Total  | ND     |           | ug/kg | 35.1 | 3.12 | 1               | B      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 69         |           | 30-150              | A      |
| Decachlorobiphenyl           | 57         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 67         |           | 30-150              | B      |
| Decachlorobiphenyl           | 52         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230540-09  
**Client ID:** SB021(2-4)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 14:10  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 06/12/22 12:15  
**Analyst:** AD  
**Percent Solids:** 94%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/11/22 05:30  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 06/11/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 06/12/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Polychlorinated Biphenyls by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Aroclor 1016   | ND     |           | ug/kg | 33.9 | 3.01 | 1               | A      |
| Aroclor 1221   | ND     |           | ug/kg | 33.9 | 3.40 | 1               | A      |
| Aroclor 1232   | ND     |           | ug/kg | 33.9 | 7.19 | 1               | A      |
| Aroclor 1242   | ND     |           | ug/kg | 33.9 | 4.57 | 1               | A      |
| Aroclor 1248   | ND     |           | ug/kg | 33.9 | 5.08 | 1               | A      |
| Aroclor 1254   | ND     |           | ug/kg | 33.9 | 3.71 | 1               | A      |
| Aroclor 1260   | ND     |           | ug/kg | 33.9 | 6.26 | 1               | A      |
| Aroclor 1262   | ND     |           | ug/kg | 33.9 | 4.30 | 1               | A      |
| Aroclor 1268   | ND     |           | ug/kg | 33.9 | 3.51 | 1               | A      |
| PCBs, Total  | ND     |           | ug/kg | 33.9 | 3.01 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 68         |           | 30-150              | A      |
| Decachlorobiphenyl           | 58         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 74         |           | 30-150              | B      |
| Decachlorobiphenyl           | 59         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8082A  
Analytical Date: 06/12/22 12:38  
Analyst: SDC

Extraction Method: EPA 3546  
Extraction Date: 06/11/22 05:30  
Cleanup Method: EPA 3665A  
Cleanup Date: 06/11/22  
Cleanup Method: EPA 3660B  
Cleanup Date: 06/12/22

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Column |
|---|--------|-----------|-------|------|------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-09 Batch: WG1649364-1 |        |           |       |      |      |        |
| Aroclor 1016  | ND     |           | ug/kg | 31.7 | 2.81 | A      |
| Aroclor 1221  | ND     |           | ug/kg | 31.7 | 3.17 | A      |
| Aroclor 1232  | ND     |           | ug/kg | 31.7 | 6.72 | A      |
| Aroclor 1242  | ND     |           | ug/kg | 31.7 | 4.27 | A      |
| Aroclor 1248  | ND     |           | ug/kg | 31.7 | 4.75 | A      |
| Aroclor 1254  | ND     |           | ug/kg | 31.7 | 3.47 | A      |
| Aroclor 1260  | ND     |           | ug/kg | 31.7 | 5.86 | A      |
| Aroclor 1262  | ND     |           | ug/kg | 31.7 | 4.02 | A      |
| Aroclor 1268  | ND     |           | ug/kg | 31.7 | 3.28 | A      |
| PCBs, Total   | ND     |           | ug/kg | 31.7 | 2.81 | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 72        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 61        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 73        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 57        |           | 30-150                 | B      |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-09 Batch: WG1649364-2 WG1649364-3 |                  |      |                   |      |                     |     |      |               |        |
| Aroclor 1016   | 72               |      | 69                |      | 40-140              | 4   |      | 50            | A      |
| Aroclor 1260   | 58               |      | 57                |      | 40-140              | 2   |      | 50            | A      |

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 78               |      | 75                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 65               |      | 66                |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 78               |      | 73                |      | 30-150                 | B      |
| Decachlorobiphenyl           | 61               |      | 59                |      | 30-150                 | B      |

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2230540

**Project Number:** 3883.0001Y000

**Report Date:** 06/23/22

| <b>Parameter</b>  | <b>Native Sample</b> | <b>MS Added</b> | <b>MS Found</b> | <b>MS %Recovery</b> | <b>Qual</b> | <b>MSD Found</b> | <b>MSD %Recovery</b> | <b>Qual</b> | <b>Recovery Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD Limits</b> | <b>Column</b> |
|---|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|---------------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1649364-4 WG1649364-5 QC Sample: L2230540-03 Client ID: SB018(0-2) |                      |                 |                 |                     |             |                  |                      |             |                        |            |             |                   |               |
| Aroclor 1016  | ND                   | 216             | 131             | 61                  |             | 128              | 60                   |             | 40-140                 | 2          |             | 50                | A             |
| Aroclor 1260  | ND                   | 216             | 114             | 53                  |             | 111              | 52                   |             | 40-140                 | 3          |             | 50                | A             |

| <b>Surrogate</b>             | <b>MS</b>         |                  | <b>MSD</b>        |                  | <b>Acceptance Criteria</b> | <b>Column</b> |
|------------------------------|-------------------|------------------|-------------------|------------------|----------------------------|---------------|
|                              | <b>% Recovery</b> | <b>Qualifier</b> | <b>% Recovery</b> | <b>Qualifier</b> |                            |               |
| 2,4,5,6-Tetrachloro-m-xylene | 70                |                  | 68                |                  | 30-150                     | A             |
| Decachlorobiphenyl           | 61                |                  | 61                |                  | 30-150                     | A             |
| 2,4,5,6-Tetrachloro-m-xylene | 70                |                  | 67                |                  | 30-150                     | B             |
| Decachlorobiphenyl           | 59                |                  | 56                |                  | 30-150                     | B             |

# PESTICIDES

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230540-01  
**Client ID:** SB019(0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 09:00  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 06/12/22 15:11  
**Analyst:** MMG  
**Percent Solids:** 86%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/11/22 04:44  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 06/12/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 06/12/22

| Parameter  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| <b>Organochlorine Pesticides by GC - Westborough Lab</b> |        |           |       |       |       |                 |        |
| Delta-BHC  | ND     |           | ug/kg | 1.84  | 0.360 | 1               | A      |
| Lindane  | ND     |           | ug/kg | 0.765 | 0.342 | 1               | A      |
| Alpha-BHC  | ND     |           | ug/kg | 0.765 | 0.217 | 1               | A      |
| Beta-BHC   | ND     |           | ug/kg | 1.84  | 0.696 | 1               | A      |
| Heptachlor   | ND     |           | ug/kg | 0.918 | 0.412 | 1               | A      |
| Aldrin   | ND     |           | ug/kg | 1.84  | 0.647 | 1               | A      |
| Heptachlor epoxide                                       | ND     |           | ug/kg | 3.44  | 1.03  | 1               | A      |
| Endrin   | ND     |           | ug/kg | 0.765 | 0.314 | 1               | A      |
| Endrin aldehyde  | ND     |           | ug/kg | 2.30  | 0.804 | 1               | A      |
| Endrin ketone  | ND     |           | ug/kg | 1.84  | 0.473 | 1               | A      |
| Dieldrin   | ND     |           | ug/kg | 1.15  | 0.574 | 1               | A      |
| 4,4'-DDE   | ND     |           | ug/kg | 1.84  | 0.425 | 1               | A      |
| 4,4'-DDD   | 13.6   |           | ug/kg | 1.84  | 0.655 | 1               | A      |
| 4,4'-DDT   | ND     |           | ug/kg | 3.44  | 1.48  | 1               | A      |
| Endosulfan I   | ND     |           | ug/kg | 1.84  | 0.434 | 1               | A      |
| Endosulfan II  | ND     |           | ug/kg | 1.84  | 0.614 | 1               | A      |
| Endosulfan sulfate                                       | ND     |           | ug/kg | 0.765 | 0.364 | 1               | A      |
| Methoxychlor   | ND     |           | ug/kg | 3.44  | 1.07  | 1               | A      |
| Toxaphene  | ND     |           | ug/kg | 34.4  | 9.64  | 1               | A      |
| cis-Chlordane  | 1.24   | J         | ug/kg | 2.30  | 0.640 | 1               | B      |
| trans-Chlordane  | ND     |           | ug/kg | 2.30  | 0.606 | 1               | A      |
| Chlordane  | ND     |           | ug/kg | 15.3  | 6.08  | 1               | A      |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2230540**Project Number:** 3883.0001Y000**Report Date:** 06/23/22**SAMPLE RESULTS**

Lab ID: L2230540-01

Date Collected: 06/09/22 09:00

Client ID: SB019(0-2)

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|----|-----|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |    |     |                 |        |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 52         |           | 30-150              | A      |
| Decachlorobiphenyl           | 51         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 60         |           | 30-150              | B      |
| Decachlorobiphenyl           | 80         |           | 30-150              | B      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230540-01  
 Client ID: SB019(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 09:00  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 06/14/22 19:09  
 Analyst: EJJ  
 Percent Solids: 86%  
 Methylation Date: 06/14/22 08:10

Extraction Method: EPA 8151A  
 Extraction Date: 06/13/22 04:19

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---|--------|-----------|-------|------|------|-----------------|--------|
| <b>Chlorinated Herbicides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| MCPP  | ND     |           | ug/kg | 3810 | 1200 | 1               | A      |
| MCPA  | ND     |           | ug/kg | 3810 | 1080 | 1               | A      |
| Dalapon   | ND     |           | ug/kg | 38.1 | 12.5 | 1               | A      |
| Dicamba   | ND     |           | ug/kg | 38.1 | 6.40 | 1               | A      |
| Dichloroprop  | ND     |           | ug/kg | 38.1 | 10.9 | 1               | A      |
| 2,4-D   | ND     |           | ug/kg | 191  | 12.0 | 1               | A      |
| 2,4-DB  | ND     |           | ug/kg | 191  | 9.80 | 1               | A      |
| 2,4,5-T   | ND     |           | ug/kg | 191  | 5.91 | 1               | A      |
| 2,4,5-TP (Silvex)                                     | ND     |           | ug/kg | 191  | 5.07 | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 112        |           | 30-150              | A      |
| DCAA      | 144        |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230540-02  
 Client ID: SB019(2-4)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 09:10  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 06/14/22 19:27  
 Analyst: EJJ  
 Percent Solids: 89%  
 Methylation Date: 06/14/22 08:10

Extraction Method: EPA 8151A  
 Extraction Date: 06/13/22 04:19

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---|--------|-----------|-------|------|------|-----------------|--------|
| <b>Chlorinated Herbicides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| MCPP  | ND     |           | ug/kg | 3660 | 1150 | 1               | A      |
| MCPA  | ND     |           | ug/kg | 3660 | 1030 | 1               | A      |
| Dalapon   | ND     |           | ug/kg | 36.6 | 12.0 | 1               | A      |
| Dicamba   | ND     |           | ug/kg | 36.6 | 6.14 | 1               | A      |
| Dichloroprop  | ND     |           | ug/kg | 36.6 | 10.5 | 1               | A      |
| 2,4-D   | ND     |           | ug/kg | 183  | 11.5 | 1               | A      |
| 2,4-DB  | ND     |           | ug/kg | 183  | 9.39 | 1               | A      |
| 2,4,5-T   | ND     |           | ug/kg | 183  | 5.66 | 1               | A      |
| 2,4,5-TP (Silvex)                                     | ND     |           | ug/kg | 183  | 4.86 | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 107        |           | 30-150              | A      |
| DCAA      | 101        |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230540-02 D  
 Client ID: SB019(2-4)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 09:10  
 Date Received: 06/09/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 06/12/22 15:22  
 Analyst: MMG  
 Percent Solids: 89%

Extraction Method: EPA 3546  
 Extraction Date: 06/11/22 04:44  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 06/12/22  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 06/12/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Organochlorine Pesticides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Delta-BHC  | ND     |           | ug/kg | 17.4 | 3.41 | 10              | A      |
| Lindane  | ND     |           | ug/kg | 7.26 | 3.24 | 10              | A      |
| Alpha-BHC  | ND     |           | ug/kg | 7.26 | 2.06 | 10              | A      |
| Beta-BHC   | ND     |           | ug/kg | 17.4 | 6.60 | 10              | A      |
| Heptachlor   | ND     |           | ug/kg | 8.71 | 3.90 | 10              | A      |
| Aldrin   | ND     |           | ug/kg | 17.4 | 6.13 | 10              | A      |
| Heptachlor epoxide                                       | ND     |           | ug/kg | 32.6 | 9.80 | 10              | A      |
| Endrin   | ND     |           | ug/kg | 7.26 | 2.98 | 10              | A      |
| Endrin aldehyde  | ND     |           | ug/kg | 21.8 | 7.62 | 10              | A      |
| Endrin ketone  | ND     |           | ug/kg | 17.4 | 4.48 | 10              | A      |
| Dieldrin   | ND     |           | ug/kg | 10.9 | 5.44 | 10              | A      |
| 4,4'-DDE   | ND     |           | ug/kg | 17.4 | 4.03 | 10              | A      |
| 4,4'-DDD   | ND     |           | ug/kg | 17.4 | 6.21 | 10              | A      |
| 4,4'-DDT   | ND     |           | ug/kg | 32.6 | 14.0 | 10              | A      |
| Endosulfan I   | ND     |           | ug/kg | 17.4 | 4.11 | 10              | A      |
| Endosulfan II  | ND     |           | ug/kg | 17.4 | 5.82 | 10              | A      |
| Endosulfan sulfate                                       | ND     |           | ug/kg | 7.26 | 3.45 | 10              | A      |
| Methoxychlor   | ND     |           | ug/kg | 32.6 | 10.2 | 10              | A      |
| Toxaphene  | ND     |           | ug/kg | 326  | 91.4 | 10              | A      |
| cis-Chlordane  | ND     |           | ug/kg | 21.8 | 6.07 | 10              | A      |
| trans-Chlordane  | ND     |           | ug/kg | 21.8 | 5.75 | 10              | A      |
| Chlordane  | ND     |           | ug/kg | 145  | 57.7 | 10              | A      |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2230540**Project Number:** 3883.0001Y000**Report Date:** 06/23/22**SAMPLE RESULTS**

Lab ID: L2230540-02 D

Date Collected: 06/09/22 09:10

Client ID: SB019(2-4)

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|----|-----|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |    |     |                 |        |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 96         |           | 30-150              | A      |
| Decachlorobiphenyl           | 59         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 86         |           | 30-150              | B      |
| Decachlorobiphenyl           | 120        |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230540-03  
 Client ID: SB018(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 10:10  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 06/14/22 19:46  
 Analyst: EJJ  
 Percent Solids: 95%  
 Methylation Date: 06/14/22 08:10

Extraction Method: EPA 8151A  
 Extraction Date: 06/13/22 04:19

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---|--------|-----------|-------|------|------|-----------------|--------|
| <b>Chlorinated Herbicides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| MCPP  | ND     |           | ug/kg | 3510 | 1100 | 1               | A      |
| MCPA  | ND     |           | ug/kg | 3510 | 992. | 1               | A      |
| Dalapon   | ND     |           | ug/kg | 35.1 | 11.5 | 1               | A      |
| Dicamba   | ND     |           | ug/kg | 35.1 | 5.89 | 1               | A      |
| Dichloroprop  | ND     |           | ug/kg | 35.1 | 10.1 | 1               | A      |
| 2,4-D   | ND     |           | ug/kg | 175  | 11.0 | 1               | A      |
| 2,4-DB  | ND     |           | ug/kg | 175  | 9.01 | 1               | A      |
| 2,4,5-T   | ND     |           | ug/kg | 175  | 5.44 | 1               | A      |
| 2,4,5-TP (Silvex)                                     | ND     |           | ug/kg | 175  | 4.66 | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 108        |           | 30-150              | A      |
| DCAA      | 101        |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230540-03 D  
 Client ID: SB018(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 10:10  
 Date Received: 06/09/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 06/12/22 14:40  
 Analyst: MMG  
 Percent Solids: 95%

Extraction Method: EPA 3546  
 Extraction Date: 06/11/22 04:44  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 06/12/22  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 06/12/22

| Parameter  | Result | Qualifier | Units | RL   | MDL   | Dilution Factor | Column |
|--|--------|-----------|-------|------|-------|-----------------|--------|
| <b>Organochlorine Pesticides by GC - Westborough Lab</b> |        |           |       |      |       |                 |        |
| Delta-BHC  | ND     |           | ug/kg | 8.38 | 1.64  | 5               | A      |
| Lindane  | ND     |           | ug/kg | 3.49 | 1.56  | 5               | A      |
| Alpha-BHC  | ND     |           | ug/kg | 3.49 | 0.991 | 5               | A      |
| Beta-BHC   | ND     |           | ug/kg | 8.38 | 3.18  | 5               | A      |
| Heptachlor   | ND     |           | ug/kg | 4.19 | 1.88  | 5               | A      |
| Aldrin   | ND     |           | ug/kg | 8.38 | 2.95  | 5               | A      |
| Heptachlor epoxide                                       | ND     |           | ug/kg | 15.7 | 4.71  | 5               | A      |
| Endrin   | ND     |           | ug/kg | 3.49 | 1.43  | 5               | A      |
| Endrin aldehyde  | ND     |           | ug/kg | 10.5 | 3.66  | 5               | A      |
| Endrin ketone  | ND     |           | ug/kg | 8.38 | 2.16  | 5               | A      |
| Dieldrin   | ND     |           | ug/kg | 5.24 | 2.62  | 5               | A      |
| 4,4'-DDE   | ND     |           | ug/kg | 8.38 | 1.94  | 5               | A      |
| 4,4'-DDD   | ND     |           | ug/kg | 8.38 | 2.99  | 5               | A      |
| 4,4'-DDT   | ND     |           | ug/kg | 15.7 | 6.74  | 5               | A      |
| Endosulfan I   | ND     |           | ug/kg | 8.38 | 1.98  | 5               | A      |
| Endosulfan II  | ND     |           | ug/kg | 8.38 | 2.80  | 5               | A      |
| Endosulfan sulfate                                       | ND     |           | ug/kg | 3.49 | 1.66  | 5               | A      |
| Methoxychlor   | ND     |           | ug/kg | 15.7 | 4.89  | 5               | A      |
| Toxaphene  | ND     |           | ug/kg | 157  | 44.0  | 5               | A      |
| cis-Chlordane  | ND     |           | ug/kg | 10.5 | 2.92  | 5               | A      |
| trans-Chlordane  | ND     |           | ug/kg | 10.5 | 2.76  | 5               | A      |
| Chlordane  | ND     |           | ug/kg | 69.8 | 27.8  | 5               | A      |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2230540**Project Number:** 3883.0001Y000**Report Date:** 06/23/22**SAMPLE RESULTS**

Lab ID: L2230540-03 D

Date Collected: 06/09/22 10:10

Client ID: SB018(0-2)

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|----|-----|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |    |     |                 |        |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 80         |           | 30-150              | A      |
| Decachlorobiphenyl           | 83         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 73         |           | 30-150              | B      |
| Decachlorobiphenyl           | 81         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230540-04  
 Client ID: SB018(2-4)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 10:20  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 06/14/22 20:41  
 Analyst: EJL  
 Percent Solids: 92%  
 Methylation Date: 06/14/22 08:10

Extraction Method: EPA 8151A  
 Extraction Date: 06/13/22 04:19

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---|--------|-----------|-------|------|------|-----------------|--------|
| <b>Chlorinated Herbicides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| MCPP  | ND     |           | ug/kg | 3550 | 1120 | 1               | A      |
| MCPA  | ND     |           | ug/kg | 3550 | 1010 | 1               | A      |
| Dalapon   | ND     |           | ug/kg | 35.5 | 11.6 | 1               | A      |
| Dicamba   | ND     |           | ug/kg | 35.5 | 5.97 | 1               | A      |
| Dichloroprop  | ND     |           | ug/kg | 35.5 | 10.2 | 1               | A      |
| 2,4-D   | ND     |           | ug/kg | 178  | 11.2 | 1               | A      |
| 2,4-DB  | ND     |           | ug/kg | 178  | 9.14 | 1               | A      |
| 2,4,5-T   | ND     |           | ug/kg | 178  | 5.51 | 1               | A      |
| 2,4,5-TP (Silvex)                                     | ND     |           | ug/kg | 178  | 4.73 | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 107        |           | 30-150              | A      |
| DCAA      | 99         |           | 30-150              | B      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230540-04 D  
**Client ID:** SB018(2-4)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 10:20  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 06/12/22 15:32  
**Analyst:** MMG  
**Percent Solids:** 92%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/11/22 04:44  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 06/12/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 06/12/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Organochlorine Pesticides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Delta-BHC  | ND     |           | ug/kg | 8.69 | 1.70 | 5               | A      |
| Lindane  | ND     |           | ug/kg | 3.62 | 1.62 | 5               | A      |
| Alpha-BHC  | ND     |           | ug/kg | 3.62 | 1.03 | 5               | A      |
| Beta-BHC   | ND     |           | ug/kg | 8.69 | 3.29 | 5               | A      |
| Heptachlor   | ND     |           | ug/kg | 4.34 | 1.95 | 5               | A      |
| Aldrin   | ND     |           | ug/kg | 8.69 | 3.06 | 5               | A      |
| Heptachlor epoxide                                       | ND     |           | ug/kg | 16.3 | 4.89 | 5               | A      |
| Endrin   | ND     |           | ug/kg | 3.62 | 1.48 | 5               | A      |
| Endrin aldehyde  | ND     |           | ug/kg | 10.8 | 3.80 | 5               | A      |
| Endrin ketone  | ND     |           | ug/kg | 8.69 | 2.24 | 5               | A      |
| Dieldrin   | ND     |           | ug/kg | 5.43 | 2.71 | 5               | A      |
| 4,4'-DDE   | ND     |           | ug/kg | 8.69 | 2.01 | 5               | A      |
| 4,4'-DDD   | ND     |           | ug/kg | 8.69 | 3.10 | 5               | A      |
| 4,4'-DDT   | ND     |           | ug/kg | 16.3 | 6.99 | 5               | A      |
| Endosulfan I   | ND     |           | ug/kg | 8.69 | 2.05 | 5               | A      |
| Endosulfan II  | ND     |           | ug/kg | 8.69 | 2.90 | 5               | A      |
| Endosulfan sulfate                                       | ND     |           | ug/kg | 3.62 | 1.72 | 5               | A      |
| Methoxychlor   | ND     |           | ug/kg | 16.3 | 5.07 | 5               | A      |
| Toxaphene  | ND     |           | ug/kg | 163  | 45.6 | 5               | A      |
| cis-Chlordane  | ND     |           | ug/kg | 10.8 | 3.03 | 5               | A      |
| trans-Chlordane  | ND     |           | ug/kg | 10.8 | 2.87 | 5               | A      |
| Chlordane  | ND     |           | ug/kg | 72.4 | 28.8 | 5               | A      |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2230540**Project Number:** 3883.0001Y000**Report Date:** 06/23/22**SAMPLE RESULTS**

Lab ID: L2230540-04 D

Date Collected: 06/09/22 10:20

Client ID: SB018(2-4)

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|----|-----|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |    |     |                 |        |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 95         |           | 30-150              | A      |
| Decachlorobiphenyl           | 74         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 87         |           | 30-150              | B      |
| Decachlorobiphenyl           | 78         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230540-05  
 Client ID: SB020(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 12:00  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 06/14/22 21:19  
 Analyst: EJJ  
 Percent Solids: 93%  
 Methylation Date: 06/14/22 08:10

Extraction Method: EPA 8151A  
 Extraction Date: 06/13/22 04:19

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---|--------|-----------|-------|------|------|-----------------|--------|
| <b>Chlorinated Herbicides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| MCPP  | ND     |           | ug/kg | 3530 | 1110 | 1               | A      |
| MCPA  | ND     |           | ug/kg | 3530 | 999. | 1               | A      |
| Dalapon   | ND     |           | ug/kg | 35.3 | 11.5 | 1               | A      |
| Dicamba   | ND     |           | ug/kg | 35.3 | 5.93 | 1               | A      |
| Dichloroprop  | ND     |           | ug/kg | 35.3 | 10.1 | 1               | A      |
| 2,4-D   | ND     |           | ug/kg | 176  | 11.1 | 1               | A      |
| 2,4-DB  | ND     |           | ug/kg | 176  | 9.08 | 1               | A      |
| 2,4,5-T   | ND     |           | ug/kg | 176  | 5.47 | 1               | A      |
| 2,4,5-TP (Silvex)                                     | ND     |           | ug/kg | 176  | 4.70 | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 104        |           | 30-150              | A      |
| DCAA      | 95         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230540-05 D  
 Client ID: SB020(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 12:00  
 Date Received: 06/09/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 06/12/22 15:42  
 Analyst: MMG  
 Percent Solids: 93%

Extraction Method: EPA 3546  
 Extraction Date: 06/11/22 04:44  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 06/12/22  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 06/12/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Organochlorine Pesticides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Delta-BHC  | ND     |           | ug/kg | 8.46 | 1.66 | 5               | A      |
| Lindane  | ND     |           | ug/kg | 3.52 | 1.57 | 5               | A      |
| Alpha-BHC  | ND     |           | ug/kg | 3.52 | 1.00 | 5               | A      |
| Beta-BHC   | 4.35   | J         | ug/kg | 8.46 | 3.21 | 5               | A      |
| Heptachlor   | ND     |           | ug/kg | 4.23 | 1.90 | 5               | A      |
| Aldrin   | ND     |           | ug/kg | 8.46 | 2.98 | 5               | A      |
| Heptachlor epoxide                                       | ND     |           | ug/kg | 15.8 | 4.76 | 5               | A      |
| Endrin   | ND     |           | ug/kg | 3.52 | 1.44 | 5               | A      |
| Endrin aldehyde  | ND     |           | ug/kg | 10.6 | 3.70 | 5               | A      |
| Endrin ketone  | ND     |           | ug/kg | 8.46 | 2.18 | 5               | A      |
| Dieldrin   | ND     |           | ug/kg | 5.28 | 2.64 | 5               | A      |
| 4,4'-DDE   | 5.66   | JP        | ug/kg | 8.46 | 1.96 | 5               | A      |
| 4,4'-DDD   | ND     |           | ug/kg | 8.46 | 3.02 | 5               | A      |
| 4,4'-DDT   | ND     |           | ug/kg | 15.8 | 6.80 | 5               | B      |
| Endosulfan I   | ND     |           | ug/kg | 8.46 | 2.00 | 5               | A      |
| Endosulfan II  | ND     |           | ug/kg | 8.46 | 2.82 | 5               | A      |
| Endosulfan sulfate                                       | ND     |           | ug/kg | 3.52 | 1.68 | 5               | A      |
| Methoxychlor   | ND     |           | ug/kg | 15.8 | 4.93 | 5               | A      |
| Toxaphene  | ND     |           | ug/kg | 158  | 44.4 | 5               | A      |
| cis-Chlordane  | ND     |           | ug/kg | 10.6 | 2.94 | 5               | A      |
| trans-Chlordane  | ND     |           | ug/kg | 10.6 | 2.79 | 5               | A      |
| Chlordane  | ND     |           | ug/kg | 70.5 | 28.0 | 5               | A      |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2230540**Project Number:** 3883.0001Y000**Report Date:** 06/23/22**SAMPLE RESULTS**

Lab ID: L2230540-05 D

Date Collected: 06/09/22 12:00

Client ID: SB020(0-2)

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|----|-----|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |    |     |                 |        |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 93         |           | 30-150              | A      |
| Decachlorobiphenyl           | 73         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 84         |           | 30-150              | B      |
| Decachlorobiphenyl           | 79         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230540-06  
**Client ID:** SB020(2-4)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 12:10  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 06/12/22 15:53  
**Analyst:** MMG  
**Percent Solids:** 95%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/11/22 04:44  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 06/12/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 06/12/22

| Parameter  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| <b>Organochlorine Pesticides by GC - Westborough Lab</b> |        |           |       |       |       |                 |        |
| Delta-BHC  | ND     |           | ug/kg | 1.62  | 0.317 | 1               | A      |
| Lindane  | ND     |           | ug/kg | 0.674 | 0.301 | 1               | A      |
| Alpha-BHC  | ND     |           | ug/kg | 0.674 | 0.191 | 1               | A      |
| Beta-BHC   | ND     |           | ug/kg | 1.62  | 0.613 | 1               | A      |
| Heptachlor   | ND     |           | ug/kg | 0.808 | 0.362 | 1               | A      |
| Aldrin   | ND     |           | ug/kg | 1.62  | 0.569 | 1               | A      |
| Heptachlor epoxide                                       | ND     |           | ug/kg | 3.03  | 0.909 | 1               | A      |
| Endrin   | ND     |           | ug/kg | 0.674 | 0.276 | 1               | A      |
| Endrin aldehyde  | ND     |           | ug/kg | 2.02  | 0.707 | 1               | A      |
| Endrin ketone  | ND     |           | ug/kg | 1.62  | 0.416 | 1               | A      |
| Dieldrin   | ND     |           | ug/kg | 1.01  | 0.505 | 1               | A      |
| 4,4'-DDE   | ND     |           | ug/kg | 1.62  | 0.374 | 1               | A      |
| 4,4'-DDD   | ND     |           | ug/kg | 1.62  | 0.577 | 1               | A      |
| 4,4'-DDT   | ND     |           | ug/kg | 3.03  | 1.30  | 1               | A      |
| Endosulfan I   | ND     |           | ug/kg | 1.62  | 0.382 | 1               | A      |
| Endosulfan II  | ND     |           | ug/kg | 1.62  | 0.540 | 1               | A      |
| Endosulfan sulfate                                       | ND     |           | ug/kg | 0.674 | 0.321 | 1               | A      |
| Methoxychlor   | ND     |           | ug/kg | 3.03  | 0.943 | 1               | A      |
| Toxaphene  | ND     |           | ug/kg | 30.3  | 8.49  | 1               | A      |
| cis-Chlordane  | ND     |           | ug/kg | 2.02  | 0.563 | 1               | A      |
| trans-Chlordane  | ND     |           | ug/kg | 2.02  | 0.534 | 1               | A      |
| Chlordane  | ND     |           | ug/kg | 13.5  | 5.36  | 1               | A      |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2230540**Project Number:** 3883.0001Y000**Report Date:** 06/23/22**SAMPLE RESULTS**

Lab ID: L2230540-06

Date Collected: 06/09/22 12:10

Client ID: SB020(2-4)

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|----|-----|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |    |     |                 |        |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 84         |           | 30-150              | A      |
| Decachlorobiphenyl           | 76         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 75         |           | 30-150              | B      |
| Decachlorobiphenyl           | 74         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230540-06  
 Client ID: SB020(2-4)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 12:10  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 06/14/22 21:37  
 Analyst: EJL  
 Percent Solids: 95%  
 Methylation Date: 06/14/22 08:10

Extraction Method: EPA 8151A  
 Extraction Date: 06/13/22 04:19

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---|--------|-----------|-------|------|------|-----------------|--------|
| <b>Chlorinated Herbicides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| MCPP  | ND     |           | ug/kg | 3420 | 1080 | 1               | A      |
| MCPA  | ND     |           | ug/kg | 3420 | 966. | 1               | A      |
| Dalapon   | ND     |           | ug/kg | 34.2 | 11.2 | 1               | A      |
| Dicamba   | ND     |           | ug/kg | 34.2 | 5.74 | 1               | A      |
| Dichloroprop  | ND     |           | ug/kg | 34.2 | 9.80 | 1               | A      |
| 2,4-D   | ND     |           | ug/kg | 171  | 10.8 | 1               | A      |
| 2,4-DB  | ND     |           | ug/kg | 171  | 8.78 | 1               | A      |
| 2,4,5-T   | ND     |           | ug/kg | 171  | 5.29 | 1               | A      |
| 2,4,5-TP (Silvex)                                     | ND     |           | ug/kg | 171  | 4.54 | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 109        |           | 30-150              | A      |
| DCAA      | 99         |           | 30-150              | B      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230540-07 D  
 Client ID: DUP\_060922  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 11:00  
 Date Received: 06/09/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 06/12/22 16:03  
 Analyst: MMG  
 Percent Solids: 94%

Extraction Method: EPA 3546  
 Extraction Date: 06/11/22 04:44  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 06/12/22  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 06/12/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Organochlorine Pesticides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Delta-BHC  | ND     |           | ug/kg | 16.4 | 3.20 | 10              | A      |
| Lindane  | ND     |           | ug/kg | 6.82 | 3.05 | 10              | A      |
| Alpha-BHC  | ND     |           | ug/kg | 6.82 | 1.94 | 10              | A      |
| Beta-BHC   | ND     |           | ug/kg | 16.4 | 6.21 | 10              | A      |
| Heptachlor   | ND     |           | ug/kg | 8.18 | 3.67 | 10              | A      |
| Aldrin   | ND     |           | ug/kg | 16.4 | 5.76 | 10              | A      |
| Heptachlor epoxide                                       | ND     |           | ug/kg | 30.7 | 9.21 | 10              | A      |
| Endrin   | ND     |           | ug/kg | 6.82 | 2.80 | 10              | A      |
| Endrin aldehyde  | ND     |           | ug/kg | 20.5 | 7.16 | 10              | A      |
| Endrin ketone  | ND     |           | ug/kg | 16.4 | 4.22 | 10              | A      |
| Dieldrin   | ND     |           | ug/kg | 10.2 | 5.12 | 10              | A      |
| 4,4'-DDE   | ND     |           | ug/kg | 16.4 | 3.78 | 10              | A      |
| 4,4'-DDD   | ND     |           | ug/kg | 16.4 | 5.84 | 10              | B      |
| 4,4'-DDT   | ND     |           | ug/kg | 30.7 | 13.2 | 10              | A      |
| Endosulfan I   | ND     |           | ug/kg | 16.4 | 3.87 | 10              | A      |
| Endosulfan II  | ND     |           | ug/kg | 16.4 | 5.47 | 10              | A      |
| Endosulfan sulfate                                       | ND     |           | ug/kg | 6.82 | 3.25 | 10              | A      |
| Methoxychlor   | ND     |           | ug/kg | 30.7 | 9.55 | 10              | A      |
| Toxaphene  | ND     |           | ug/kg | 307  | 85.9 | 10              | A      |
| cis-Chlordane  | ND     |           | ug/kg | 20.5 | 5.70 | 10              | A      |
| trans-Chlordane  | ND     |           | ug/kg | 20.5 | 5.40 | 10              | A      |
| Chlordane  | ND     |           | ug/kg | 136  | 54.2 | 10              | A      |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2230540**Project Number:** 3883.0001Y000**Report Date:** 06/23/22**SAMPLE RESULTS**

Lab ID: L2230540-07 D

Date Collected: 06/09/22 11:00

Client ID: DUP\_060922

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|----|-----|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |    |     |                 |        |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 94         |           | 30-150              | A      |
| Decachlorobiphenyl           | 55         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 83         |           | 30-150              | B      |
| Decachlorobiphenyl           | 76         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230540-07 D  
 Client ID: DUP\_060922  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 11:00  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 06/14/22 21:56  
 Analyst: EJJ  
 Percent Solids: 94%  
 Methylation Date: 06/14/22 08:10

Extraction Method: EPA 8151A  
 Extraction Date: 06/13/22 04:19

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---|--------|-----------|-------|------|------|-----------------|--------|
| <b>Chlorinated Herbicides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| MCPP  | ND     |           | ug/kg | 7060 | 2220 | 2               | A      |
| MCPA  | ND     |           | ug/kg | 7060 | 2000 | 2               | A      |
| Dalapon   | ND     |           | ug/kg | 70.6 | 23.1 | 2               | A      |
| Dicamba   | ND     |           | ug/kg | 70.6 | 11.9 | 2               | A      |
| Dichloroprop  | ND     |           | ug/kg | 70.6 | 20.3 | 2               | A      |
| 2,4-D   | ND     |           | ug/kg | 353  | 22.2 | 2               | A      |
| 2,4-DB  | ND     |           | ug/kg | 353  | 18.2 | 2               | A      |
| 2,4,5-T   | ND     |           | ug/kg | 353  | 11.0 | 2               | A      |
| 2,4,5-TP (Silvex)                                     | ND     |           | ug/kg | 353  | 9.40 | 2               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 95         |           | 30-150              | A      |
| DCAA      | 100        |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230540-08  
 Client ID: SB021(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 14:00  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 06/14/22 22:14  
 Analyst: EJJ  
 Percent Solids: 94%  
 Methylation Date: 06/14/22 08:10

Extraction Method: EPA 8151A  
 Extraction Date: 06/13/22 04:19

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---|--------|-----------|-------|------|------|-----------------|--------|
| <b>Chlorinated Herbicides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| MCPP  | ND     |           | ug/kg | 3520 | 1110 | 1               | A      |
| MCPA  | ND     |           | ug/kg | 3520 | 997. | 1               | A      |
| Dalapon   | ND     |           | ug/kg | 35.2 | 11.5 | 1               | A      |
| Dicamba   | ND     |           | ug/kg | 35.2 | 5.92 | 1               | A      |
| Dichloroprop  | ND     |           | ug/kg | 35.2 | 10.1 | 1               | A      |
| 2,4-D   | ND     |           | ug/kg | 176  | 11.1 | 1               | A      |
| 2,4-DB  | ND     |           | ug/kg | 176  | 9.05 | 1               | A      |
| 2,4,5-T   | ND     |           | ug/kg | 176  | 5.46 | 1               | A      |
| 2,4,5-TP (Silvex)                                     | ND     |           | ug/kg | 176  | 4.68 | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 105        |           | 30-150              | A      |
| DCAA      | 98         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230540-08 D  
 Client ID: SB021(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 14:00  
 Date Received: 06/09/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 06/12/22 16:14  
 Analyst: MMG  
 Percent Solids: 94%

Extraction Method: EPA 3546  
 Extraction Date: 06/11/22 04:44  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 06/12/22  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 06/12/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Organochlorine Pesticides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Delta-BHC  | ND     |           | ug/kg | 16.0 | 3.14 | 10              | A      |
| Lindane  | ND     |           | ug/kg | 6.68 | 2.99 | 10              | A      |
| Alpha-BHC  | ND     |           | ug/kg | 6.68 | 1.90 | 10              | A      |
| Beta-BHC   | ND     |           | ug/kg | 16.0 | 6.08 | 10              | A      |
| Heptachlor   | ND     |           | ug/kg | 8.02 | 3.59 | 10              | A      |
| Aldrin   | ND     |           | ug/kg | 16.0 | 5.65 | 10              | A      |
| Heptachlor epoxide                                       | ND     |           | ug/kg | 30.1 | 9.02 | 10              | A      |
| Endrin   | ND     |           | ug/kg | 6.68 | 2.74 | 10              | A      |
| Endrin aldehyde  | ND     |           | ug/kg | 20.0 | 7.02 | 10              | A      |
| Endrin ketone  | ND     |           | ug/kg | 16.0 | 4.13 | 10              | A      |
| Dieldrin   | ND     |           | ug/kg | 10.0 | 5.01 | 10              | A      |
| 4,4'-DDE   | ND     |           | ug/kg | 16.0 | 3.71 | 10              | A      |
| 4,4'-DDD   | ND     |           | ug/kg | 16.0 | 5.72 | 10              | A      |
| 4,4'-DDT   | ND     |           | ug/kg | 30.1 | 12.9 | 10              | A      |
| Endosulfan I   | ND     |           | ug/kg | 16.0 | 3.79 | 10              | A      |
| Endosulfan II  | ND     |           | ug/kg | 16.0 | 5.36 | 10              | A      |
| Endosulfan sulfate                                       | ND     |           | ug/kg | 6.68 | 3.18 | 10              | A      |
| Methoxychlor   | ND     |           | ug/kg | 30.1 | 9.35 | 10              | A      |
| Toxaphene  | ND     |           | ug/kg | 301  | 84.2 | 10              | A      |
| cis-Chlordane  | ND     |           | ug/kg | 20.0 | 5.59 | 10              | A      |
| trans-Chlordane  | ND     |           | ug/kg | 20.0 | 5.29 | 10              | A      |
| Chlordane  | ND     |           | ug/kg | 134  | 53.1 | 10              | A      |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2230540**Project Number:** 3883.0001Y000**Report Date:** 06/23/22**SAMPLE RESULTS**

Lab ID: L2230540-08 D

Date Collected: 06/09/22 14:00

Client ID: SB021(0-2)

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|----|-----|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |    |     |                 |        |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 95         |           | 30-150              | A      |
| Decachlorobiphenyl           | 67         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 86         |           | 30-150              | B      |
| Decachlorobiphenyl           | 78         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230540-09  
 Client ID: SB021(2-4)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 14:10  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 06/14/22 22:33  
 Analyst: EJJ  
 Percent Solids: 94%  
 Methylation Date: 06/14/22 08:10

Extraction Method: EPA 8151A  
 Extraction Date: 06/13/22 04:19

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---|--------|-----------|-------|------|------|-----------------|--------|
| <b>Chlorinated Herbicides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| MCPP  | ND     |           | ug/kg | 3540 | 1120 | 1               | A      |
| MCPA  | ND     |           | ug/kg | 3540 | 1000 | 1               | A      |
| Dalapon   | ND     |           | ug/kg | 35.4 | 11.6 | 1               | A      |
| Dicamba   | ND     |           | ug/kg | 35.4 | 5.95 | 1               | A      |
| Dichloroprop  | ND     |           | ug/kg | 35.4 | 10.2 | 1               | A      |
| 2,4-D   | ND     |           | ug/kg | 177  | 11.2 | 1               | A      |
| 2,4-DB  | ND     |           | ug/kg | 177  | 9.11 | 1               | A      |
| 2,4,5-T   | ND     |           | ug/kg | 177  | 5.49 | 1               | A      |
| 2,4,5-TP (Silvex)                                     | ND     |           | ug/kg | 177  | 4.71 | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 104        |           | 30-150              | A      |
| DCAA      | 99         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

Lab ID: L2230540-09 D  
 Client ID: SB021(2-4)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 14:10  
 Date Received: 06/09/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 06/12/22 16:24  
 Analyst: MMG  
 Percent Solids: 94%

Extraction Method: EPA 3546  
 Extraction Date: 06/11/22 04:44  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 06/12/22  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 06/12/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Organochlorine Pesticides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Delta-BHC  | ND     |           | ug/kg | 16.4 | 3.20 | 10              | A      |
| Lindane  | ND     |           | ug/kg | 6.82 | 3.05 | 10              | A      |
| Alpha-BHC  | ND     |           | ug/kg | 6.82 | 1.94 | 10              | A      |
| Beta-BHC   | ND     |           | ug/kg | 16.4 | 6.20 | 10              | A      |
| Heptachlor   | ND     |           | ug/kg | 8.18 | 3.67 | 10              | A      |
| Aldrin   | ND     |           | ug/kg | 16.4 | 5.76 | 10              | A      |
| Heptachlor epoxide                                       | ND     |           | ug/kg | 30.7 | 9.21 | 10              | A      |
| Endrin   | ND     |           | ug/kg | 6.82 | 2.80 | 10              | A      |
| Endrin aldehyde  | ND     |           | ug/kg | 20.4 | 7.16 | 10              | A      |
| Endrin ketone  | ND     |           | ug/kg | 16.4 | 4.21 | 10              | A      |
| Dieldrin   | ND     |           | ug/kg | 10.2 | 5.11 | 10              | A      |
| 4,4'-DDE   | ND     |           | ug/kg | 16.4 | 3.78 | 10              | A      |
| 4,4'-DDD   | ND     |           | ug/kg | 16.4 | 5.84 | 10              | A      |
| 4,4'-DDT   | ND     |           | ug/kg | 30.7 | 13.2 | 10              | A      |
| Endosulfan I   | ND     |           | ug/kg | 16.4 | 3.87 | 10              | A      |
| Endosulfan II  | ND     |           | ug/kg | 16.4 | 5.47 | 10              | A      |
| Endosulfan sulfate                                       | ND     |           | ug/kg | 6.82 | 3.25 | 10              | A      |
| Methoxychlor   | ND     |           | ug/kg | 30.7 | 9.55 | 10              | A      |
| Toxaphene  | ND     |           | ug/kg | 307  | 85.9 | 10              | A      |
| cis-Chlordane  | ND     |           | ug/kg | 20.4 | 5.70 | 10              | A      |
| trans-Chlordane  | ND     |           | ug/kg | 20.4 | 5.40 | 10              | A      |
| Chlordane  | ND     |           | ug/kg | 136  | 54.2 | 10              | A      |



**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2230540**Project Number:** 3883.0001Y000**Report Date:** 06/23/22**SAMPLE RESULTS**

Lab ID: L2230540-09 D

Date Collected: 06/09/22 14:10

Client ID: SB021(2-4)

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|----|-----|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |    |     |                 |        |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 110        |           | 30-150              | A      |
| Decachlorobiphenyl           | 89         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 100        |           | 30-150              | B      |
| Decachlorobiphenyl           | 77         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 06/12/22 14:09  
Analyst: MMG

Extraction Method: EPA 3546  
Extraction Date: 06/11/22 04:44  
Cleanup Method: EPA 3620B  
Cleanup Date: 06/12/22  
Cleanup Method: EPA 3660B  
Cleanup Date: 06/12/22

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Column |
|---|--------|-----------|-------|-------|-------|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-09 Batch: WG1649361-1 |        |           |       |       |       |        |
| Delta-BHC   | ND     |           | ug/kg | 1.54  | 0.303 | A      |
| Lindane   | ND     |           | ug/kg | 0.644 | 0.288 | A      |
| Alpha-BHC   | ND     |           | ug/kg | 0.644 | 0.183 | A      |
| Beta-BHC  | ND     |           | ug/kg | 1.54  | 0.586 | A      |
| Heptachlor  | ND     |           | ug/kg | 0.773 | 0.346 | A      |
| Aldrin  | ND     |           | ug/kg | 1.54  | 0.544 | A      |
| Heptachlor epoxide  | ND     |           | ug/kg | 2.90  | 0.869 | A      |
| Endrin  | ND     |           | ug/kg | 0.644 | 0.264 | A      |
| Endrin aldehyde   | ND     |           | ug/kg | 1.93  | 0.676 | A      |
| Endrin ketone   | ND     |           | ug/kg | 1.54  | 0.398 | A      |
| Dieldrin  | ND     |           | ug/kg | 0.966 | 0.483 | A      |
| 4,4'-DDE  | ND     |           | ug/kg | 1.54  | 0.357 | A      |
| 4,4'-DDD  | ND     |           | ug/kg | 1.54  | 0.551 | A      |
| 4,4'-DDT  | ND     |           | ug/kg | 2.90  | 1.24  | A      |
| Endosulfan I  | ND     |           | ug/kg | 1.54  | 0.365 | A      |
| Endosulfan II   | ND     |           | ug/kg | 1.54  | 0.516 | A      |
| Endosulfan sulfate  | ND     |           | ug/kg | 0.644 | 0.306 | A      |
| Methoxychlor  | ND     |           | ug/kg | 2.90  | 0.901 | A      |
| Toxaphene   | ND     |           | ug/kg | 29.0  | 8.11  | A      |
| cis-Chlordane   | ND     |           | ug/kg | 1.93  | 0.538 | A      |
| trans-Chlordane   | ND     |           | ug/kg | 1.93  | 0.510 | A      |
| Chlordane   | ND     |           | ug/kg | 12.9  | 5.12  | A      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 06/12/22 14:09  
Analyst: MMG

Extraction Method: EPA 3546  
Extraction Date: 06/11/22 04:44  
Cleanup Method: EPA 3620B  
Cleanup Date: 06/12/22  
Cleanup Method: EPA 3660B  
Cleanup Date: 06/12/22

| Parameter   | Result | Qualifier | Units | RL | MDL | Column |
|---|--------|-----------|-------|----|-----|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-09 Batch: WG1649361-1 |        |           |       |    |     |        |

| Surrogate                    | %Recovery | Qualifier | Acceptance |        |
|------------------------------|-----------|-----------|------------|--------|
|                              |           |           | Criteria   | Column |
| 2,4,5,6-Tetrachloro-m-xylene | 83        |           | 30-150     | A      |
| Decachlorobiphenyl           | 96        |           | 30-150     | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 75        |           | 30-150     | B      |
| Decachlorobiphenyl           | 90        |           | 30-150     | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**Method Blank Analysis  
 Batch Quality Control**

Analytical Method: 1,8151A  
 Analytical Date: 06/14/22 10:30  
 Analyst: AKM

Extraction Method: EPA 8151A  
 Extraction Date: 06/13/22 04:19

Methylation Date: 06/14/22 05:16

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Column |
|--|--------|-----------|-------|------|------|--------|
| Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-09 Batch: WG1649686-1 |        |           |       |      |      |        |
| MCPP   | ND     |           | ug/kg | 3300 | 1040 | A      |
| MCPA   | ND     |           | ug/kg | 3300 | 933. | A      |
| Dalapon  | ND     |           | ug/kg | 33.0 | 10.8 | A      |
| Dicamba  | ND     |           | ug/kg | 33.0 | 5.54 | A      |
| Dichloroprop   | ND     |           | ug/kg | 33.0 | 9.46 | A      |
| 2,4-D  | ND     |           | ug/kg | 165  | 10.4 | A      |
| 2,4-DB   | ND     |           | ug/kg | 165  | 8.48 | A      |
| 2,4,5-T  | ND     |           | ug/kg | 165  | 5.11 | A      |
| 2,4,5-TP (Silvex)  | ND     |           | ug/kg | 165  | 4.39 | A      |

| Surrogate | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|-----------|-----------|-----------|------------------------|--------|
| DCAA      | 96        |           | 30-150                 | A      |
| DCAA      | 91        |           | 30-150                 | B      |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-09 Batch: WG1649361-2 WG1649361-3 |                  |      |                   |      |                     |     |      |               |        |
| Delta-BHC  | 87               |      | 85                |      | 30-150              | 2   |      | 30            | A      |
| Lindane  | 88               |      | 86                |      | 30-150              | 2   |      | 30            | A      |
| Alpha-BHC  | 92               |      | 89                |      | 30-150              | 3   |      | 30            | A      |
| Beta-BHC   | 86               |      | 82                |      | 30-150              | 5   |      | 30            | A      |
| Heptachlor   | 88               |      | 84                |      | 30-150              | 5   |      | 30            | A      |
| Aldrin   | 92               |      | 88                |      | 30-150              | 4   |      | 30            | A      |
| Heptachlor epoxide   | 79               |      | 75                |      | 30-150              | 5   |      | 30            | A      |
| Endrin   | 93               |      | 88                |      | 30-150              | 6   |      | 30            | A      |
| Endrin aldehyde  | 72               |      | 73                |      | 30-150              | 1   |      | 30            | A      |
| Endrin ketone  | 83               |      | 82                |      | 30-150              | 1   |      | 30            | A      |
| Dieldrin   | 96               |      | 91                |      | 30-150              | 5   |      | 30            | A      |
| 4,4'-DDE   | 92               |      | 89                |      | 30-150              | 3   |      | 30            | A      |
| 4,4'-DDD   | 101              |      | 95                |      | 30-150              | 6   |      | 30            | A      |
| 4,4'-DDT   | 92               |      | 86                |      | 30-150              | 7   |      | 30            | A      |
| Endosulfan I   | 82               |      | 78                |      | 30-150              | 5   |      | 30            | A      |
| Endosulfan II  | 88               |      | 84                |      | 30-150              | 5   |      | 30            | A      |
| Endosulfan sulfate   | 66               |      | 66                |      | 30-150              | 0   |      | 30            | A      |
| Methoxychlor   | 92               |      | 90                |      | 30-150              | 2   |      | 30            | A      |
| cis-Chlordane  | 80               |      | 77                |      | 30-150              | 4   |      | 30            | A      |
| trans-Chlordane  | 101              |      | 97                |      | 30-150              | 4   |      | 30            | A      |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-09 Batch: WG1649361-2 WG1649361-3 |                  |      |                   |      |                     |     |      |               |

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 85               |      | 82                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 96               |      | 86                |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 79               |      | 74                |      | 30-150                 | B      |
| Decachlorobiphenyl           | 91               |      | 85                |      | 30-150                 | B      |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-09 Batch: WG1649686-2 WG1649686-3 |                  |      |                   |      |                     |     |      |               |        |
| MCPD  | 116              |      | 114               |      | 30-150              | 0   |      | 30            | A      |
| MCPA  | 80               |      | 100               |      | 30-150              | 0   |      | 30            | A      |
| Dalapon   | 67               |      | 69                |      | 30-150              | 0   |      | 30            | A      |
| Dicamba   | 87               |      | 91                |      | 30-150              | 0   |      | 30            | A      |
| Dichloroprop  | 98               |      | 99                |      | 30-150              | 0   |      | 30            | A      |
| 2,4-D   | 100              |      | 109               |      | 30-150              | 0   |      | 30            | A      |
| 2,4-DB  | 64               |      | 66                |      | 30-150              | 0   |      | 30            | A      |
| 2,4,5-T   | 94               |      | 95                |      | 30-150              | 0   |      | 30            | A      |
| 2,4,5-TP (Silvex)   | 94               |      | 96                |      | 30-150              | 0   |      | 30            | A      |

| Surrogate | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|-----------|------------------|------|-------------------|------|------------------------|--------|
| DCAA      | 100              |      | 111               |      | 30-150                 | A      |
| DCAA      | 100              |      | 100               |      | 30-150                 | B      |

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2230540

**Project Number:** 3883.0001Y000

**Report Date:** 06/23/22

| <i>Parameter</i>  | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> | <i>Column</i> |
|---|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|---------------|
| Organochlorine Pesticides by GC - Westborough Lab ID: SB018(0-2) Associated sample(s): 01-09 QC Batch ID: WG1649361-4 WG1649361-5 QC Sample: L2230540-03 Client |                      |                 |                 |                     |             |                  |                      |             |                        |            |             |                   |               |
| Delta-BHC   | ND                   | 33.2            | 25.2            | 76                  |             | 26.2             | 76                   |             | 30-150                 | 4          |             | 50                | A             |
| Lindane   | ND                   | 33.2            | 26.2            | 79                  |             | 28.2             | 82                   |             | 30-150                 | 7          |             | 50                | A             |
| Alpha-BHC   | ND                   | 33.2            | 27.7            | 84                  |             | 28.4             | 83                   |             | 30-150                 | 2          |             | 50                | A             |
| Beta-BHC  | ND                   | 33.2            | 27.8            | 84                  |             | 29.4             | 85                   |             | 30-150                 | 6          |             | 50                | A             |
| Heptachlor  | ND                   | 33.2            | 27.3            | 82                  |             | 28.4             | 83                   |             | 30-150                 | 4          |             | 50                | A             |
| Aldrin  | ND                   | 33.2            | 27.3            | 82                  |             | 28.3             | 82                   |             | 30-150                 | 4          |             | 50                | A             |
| Heptachlor epoxide  | ND                   | 33.2            | 26.9            | 81                  |             | 27.4             | 80                   |             | 30-150                 | 2          |             | 50                | A             |
| Endrin  | ND                   | 33.2            | 28.0            | 84                  |             | 29.0             | 84                   |             | 30-150                 | 4          |             | 50                | A             |
| Endrin aldehyde   | ND                   | 33.2            | 21.5            | 65                  |             | 23.1             | 67                   |             | 30-150                 | 7          |             | 50                | A             |
| Endrin ketone   | ND                   | 33.2            | 28.8            | 87                  |             | 28.6             | 83                   |             | 30-150                 | 1          |             | 50                | A             |
| Dieldrin  | ND                   | 33.2            | 29.0            | 87                  |             | 30.0             | 87                   |             | 30-150                 | 3          |             | 50                | A             |
| 4,4'-DDE  | ND                   | 33.2            | 26.7            | 81                  |             | 27.8             | 81                   |             | 30-150                 | 4          |             | 50                | A             |
| 4,4'-DDD  | ND                   | 33.2            | 29.9            | 90                  |             | 30.9             | 90                   |             | 30-150                 | 3          |             | 50                | A             |
| 4,4'-DDT  | ND                   | 33.2            | 27.8            | 84                  |             | 28.2             | 82                   |             | 30-150                 | 1          |             | 50                | A             |
| Endosulfan I  | ND                   | 33.2            | 25.2            | 76                  |             | 26.3             | 76                   |             | 30-150                 | 4          |             | 50                | A             |
| Endosulfan II   | ND                   | 33.2            | 27.0            | 81                  |             | 28.4             | 83                   |             | 30-150                 | 5          |             | 50                | A             |
| Endosulfan sulfate  | ND                   | 33.2            | 20.4            | 62                  |             | 21.1             | 61                   |             | 30-150                 | 3          |             | 50                | A             |
| Methoxychlor  | ND                   | 33.2            | 29.1            | 88                  |             | 30.1             | 88                   |             | 30-150                 | 3          |             | 50                | A             |
| cis-Chlordane   | ND                   | 33.2            | 25.7            | 78                  |             | 26.5             | 77                   |             | 30-150                 | 3          |             | 50                | A             |
| trans-Chlordane   | ND                   | 33.2            | 33.4            | 101                 |             | 33.8             | 98                   |             | 30-150                 | 1          |             | 50                | A             |



## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2230540

**Project Number:** 3883.0001Y000

**Report Date:** 06/23/22

| <b>Parameter</b> | <b>Native<br/>Sample</b> | <b>MS<br/>Added</b> | <b>MS<br/>Found</b> | <b>MS<br/>%Recovery</b> | <b>Qual</b> | <b>MSD<br/>Found</b> | <b>MSD<br/>%Recovery</b> | <b>Qual</b> | <b>Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|------------------|--------------------------|---------------------|---------------------|-------------------------|-------------|----------------------|--------------------------|-------------|----------------------------|------------|-------------|-----------------------|
|------------------|--------------------------|---------------------|---------------------|-------------------------|-------------|----------------------|--------------------------|-------------|----------------------------|------------|-------------|-----------------------|

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1649361-4 WG1649361-5 QC Sample: L2230540-03 Client ID: SB018(0-2)

| <b>Surrogate</b>             | <b>MS<br/>% Recovery</b> | <b>Qualifier</b> | <b>MSD<br/>% Recovery</b> | <b>Qualifier</b> | <b>Acceptance<br/>Criteria</b> | <b>Column</b> |
|------------------------------|--------------------------|------------------|---------------------------|------------------|--------------------------------|---------------|
| 2,4,5,6-Tetrachloro-m-xylene | 83                       |                  | 84                        |                  | 30-150                         | A             |
| Decachlorobiphenyl           | 78                       |                  | 77                        |                  | 30-150                         | A             |
| 2,4,5,6-Tetrachloro-m-xylene | 78                       |                  | 76                        |                  | 30-150                         | B             |
| Decachlorobiphenyl           | 79                       |                  | 80                        |                  | 30-150                         | B             |

### Matrix Spike Analysis Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

| <i>Parameter</i>   | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> | <i>Column</i> |
|--|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|---------------|
| Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1649686-4 WG1649686-5 QC Sample: L2230540-03 Client ID: SB018(0-2) |                      |                 |                 |                     |             |                  |                      |             |                        |            |             |                   |               |
| MCPP   | ND                   | 17400           | 9260            | 53                  |             | 18700            | 106                  |             | 30-150                 | 68         | Q           | 30                | A             |
| MCPA   | ND                   | 17400           | 6780            | 39                  |             | 13600            | 78                   |             | 30-150                 | 67         | Q           | 30                | A             |
| Dalapon  | ND                   | 174             | 91.6            | 53                  |             | 152              | 87                   |             | 30-150                 | 50         | Q           | 30                | A             |
| Dicamba  | ND                   | 174             | 69.0            | 40                  |             | 157              | 89                   |             | 30-150                 | 78         | Q           | 30                | A             |
| Dichloroprop   | ND                   | 174             | 52.6            | 30                  |             | 209              | 119                  |             | 30-150                 | 120        | Q           | 30                | A             |
| 2,4-D  | ND                   | 174             | 61.6J           | 35                  |             | 168J             | 96                   |             | 30-150                 | 93         | Q           | 30                | A             |
| 2,4-DB   | ND                   | 174             | 67.6J           | 39                  |             | 152J             | 87                   |             | 30-150                 | 77         | Q           | 30                | A             |
| 2,4,5-T  | ND                   | 174             | 52.2J           | 30                  |             | 147J             | 84                   |             | 30-150                 | 95         | Q           | 30                | A             |
| 2,4,5-TP (Silvex)  | ND                   | 174             | 56.4J           | 32                  |             | 148J             | 84                   |             | 30-150                 | 90         | Q           | 30                | A             |

| <i>Surrogate</i> | <i>MS</i>         |                  | <i>MSD</i>        |                  | <i>Acceptance Criteria</i> | <i>Column</i> |
|------------------|-------------------|------------------|-------------------|------------------|----------------------------|---------------|
|                  | <i>% Recovery</i> | <i>Qualifier</i> | <i>% Recovery</i> | <i>Qualifier</i> |                            |               |
| DCAA             | 28                | Q                | 107               |                  | 30-150                     | A             |
| DCAA             | 37                |                  | 95                |                  | 30-150                     | B             |



## METALS

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

## SAMPLE RESULTS

Lab ID: L2230540-01  
 Client ID: SB019(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/09/22 09:00  
 Date Received: 06/09/22  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 86%

| Parameter                           | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Mansfield Lab</b> |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total                     | 3830   |           | mg/kg | 8.71  | 2.35  | 2               | 06/16/22 20:39 | 06/23/22 14:20 | EPA 3050B   | 1,6010D           | NB      |
| Antimony, Total                     | 5.94   |           | mg/kg | 4.35  | 0.331 | 2               | 06/16/22 20:39 | 06/23/22 14:20 | EPA 3050B   | 1,6010D           | NB      |
| Arsenic, Total                      | 14.0   |           | mg/kg | 0.871 | 0.181 | 2               | 06/16/22 20:39 | 06/23/22 14:20 | EPA 3050B   | 1,6010D           | NB      |
| Barium, Total                       | 140    |           | mg/kg | 0.871 | 0.152 | 2               | 06/16/22 20:39 | 06/23/22 14:20 | EPA 3050B   | 1,6010D           | NB      |
| Beryllium, Total                    | 0.296  | J         | mg/kg | 0.435 | 0.029 | 2               | 06/16/22 20:39 | 06/23/22 14:20 | EPA 3050B   | 1,6010D           | NB      |
| Cadmium, Total                      | 2.39   |           | mg/kg | 0.871 | 0.085 | 2               | 06/16/22 20:39 | 06/23/22 14:20 | EPA 3050B   | 1,6010D           | NB      |
| Calcium, Total                      | 4480   |           | mg/kg | 8.71  | 3.05  | 2               | 06/16/22 20:39 | 06/23/22 14:20 | EPA 3050B   | 1,6010D           | NB      |
| Chromium, Total                     | 27.1   |           | mg/kg | 0.871 | 0.084 | 2               | 06/16/22 20:39 | 06/23/22 14:20 | EPA 3050B   | 1,6010D           | NB      |
| Cobalt, Total                       | 7.64   |           | mg/kg | 1.74  | 0.144 | 2               | 06/16/22 20:39 | 06/23/22 14:20 | EPA 3050B   | 1,6010D           | NB      |
| Copper, Total                       | 240    |           | mg/kg | 0.871 | 0.225 | 2               | 06/16/22 20:39 | 06/23/22 14:20 | EPA 3050B   | 1,6010D           | NB      |
| Iron, Total                         | 37300  |           | mg/kg | 4.35  | 0.786 | 2               | 06/16/22 20:39 | 06/23/22 14:20 | EPA 3050B   | 1,6010D           | NB      |
| Lead, Total                         | 369    |           | mg/kg | 4.35  | 0.233 | 2               | 06/16/22 20:39 | 06/23/22 14:20 | EPA 3050B   | 1,6010D           | NB      |
| Magnesium, Total                    | 1280   |           | mg/kg | 8.71  | 1.34  | 2               | 06/16/22 20:39 | 06/23/22 14:20 | EPA 3050B   | 1,6010D           | NB      |
| Manganese, Total                    | 265    |           | mg/kg | 0.871 | 0.138 | 2               | 06/16/22 20:39 | 06/23/22 14:20 | EPA 3050B   | 1,6010D           | NB      |
| Mercury, Total                      | 0.382  |           | mg/kg | 0.079 | 0.052 | 1               | 06/16/22 21:22 | 06/22/22 11:26 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                       | 21.5   |           | mg/kg | 2.18  | 0.211 | 2               | 06/16/22 20:39 | 06/23/22 14:20 | EPA 3050B   | 1,6010D           | NB      |
| Potassium, Total                    | 535    |           | mg/kg | 218   | 12.5  | 2               | 06/16/22 20:39 | 06/23/22 14:20 | EPA 3050B   | 1,6010D           | NB      |
| Selenium, Total                     | ND     |           | mg/kg | 1.74  | 0.225 | 2               | 06/16/22 20:39 | 06/23/22 14:20 | EPA 3050B   | 1,6010D           | NB      |
| Silver, Total                       | 0.348  | J         | mg/kg | 0.871 | 0.246 | 2               | 06/16/22 20:39 | 06/23/22 14:20 | EPA 3050B   | 1,6010D           | NB      |
| Sodium, Total                       | 72.4   | J         | mg/kg | 174   | 2.74  | 2               | 06/16/22 20:39 | 06/23/22 14:20 | EPA 3050B   | 1,6010D           | NB      |
| Thallium, Total                     | ND     |           | mg/kg | 1.74  | 0.274 | 2               | 06/16/22 20:39 | 06/23/22 14:20 | EPA 3050B   | 1,6010D           | NB      |
| Vanadium, Total                     | 65.0   |           | mg/kg | 0.871 | 0.177 | 2               | 06/16/22 20:39 | 06/23/22 14:20 | EPA 3050B   | 1,6010D           | NB      |
| Zinc, Total                         | 471    |           | mg/kg | 4.35  | 0.255 | 2               | 06/16/22 20:39 | 06/23/22 14:20 | EPA 3050B   | 1,6010D           | NB      |



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

## SAMPLE RESULTS

Lab ID: L2230540-02

Date Collected: 06/09/22 09:10

Client ID: SB019(2-4)

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

| Parameter                           | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Mansfield Lab</b> |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total                     | 5020   |           | mg/kg | 8.81  | 2.38  | 2               | 06/16/22 20:39 | 06/23/22 14:24 | EPA 3050B   | 1,6010D           | NB      |
| Antimony, Total                     | 0.961  | J         | mg/kg | 4.41  | 0.335 | 2               | 06/16/22 20:39 | 06/23/22 14:24 | EPA 3050B   | 1,6010D           | NB      |
| Arsenic, Total                      | 4.54   |           | mg/kg | 0.881 | 0.183 | 2               | 06/16/22 20:39 | 06/23/22 14:24 | EPA 3050B   | 1,6010D           | NB      |
| Barium, Total                       | 131    |           | mg/kg | 0.881 | 0.153 | 2               | 06/16/22 20:39 | 06/23/22 14:24 | EPA 3050B   | 1,6010D           | NB      |
| Beryllium, Total                    | 0.238  | J         | mg/kg | 0.441 | 0.029 | 2               | 06/16/22 20:39 | 06/23/22 14:24 | EPA 3050B   | 1,6010D           | NB      |
| Cadmium, Total                      | 1.23   |           | mg/kg | 0.881 | 0.086 | 2               | 06/16/22 20:39 | 06/23/22 14:24 | EPA 3050B   | 1,6010D           | NB      |
| Calcium, Total                      | 11100  |           | mg/kg | 8.81  | 3.08  | 2               | 06/16/22 20:39 | 06/23/22 14:24 | EPA 3050B   | 1,6010D           | NB      |
| Chromium, Total                     | 15.4   |           | mg/kg | 0.881 | 0.085 | 2               | 06/16/22 20:39 | 06/23/22 14:24 | EPA 3050B   | 1,6010D           | NB      |
| Cobalt, Total                       | 6.61   |           | mg/kg | 1.76  | 0.146 | 2               | 06/16/22 20:39 | 06/23/22 14:24 | EPA 3050B   | 1,6010D           | NB      |
| Copper, Total                       | 66.4   |           | mg/kg | 0.881 | 0.227 | 2               | 06/16/22 20:39 | 06/23/22 14:24 | EPA 3050B   | 1,6010D           | NB      |
| Iron, Total                         | 13000  |           | mg/kg | 4.41  | 0.796 | 2               | 06/16/22 20:39 | 06/23/22 14:24 | EPA 3050B   | 1,6010D           | NB      |
| Lead, Total                         | 252    |           | mg/kg | 4.41  | 0.236 | 2               | 06/16/22 20:39 | 06/23/22 14:24 | EPA 3050B   | 1,6010D           | NB      |
| Magnesium, Total                    | 3730   |           | mg/kg | 8.81  | 1.36  | 2               | 06/16/22 20:39 | 06/23/22 14:24 | EPA 3050B   | 1,6010D           | NB      |
| Manganese, Total                    | 129    |           | mg/kg | 0.881 | 0.140 | 2               | 06/16/22 20:39 | 06/23/22 14:24 | EPA 3050B   | 1,6010D           | NB      |
| Mercury, Total                      | 0.255  |           | mg/kg | 0.073 | 0.048 | 1               | 06/16/22 21:22 | 06/22/22 11:36 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                       | 15.1   |           | mg/kg | 2.20  | 0.213 | 2               | 06/16/22 20:39 | 06/23/22 14:24 | EPA 3050B   | 1,6010D           | NB      |
| Potassium, Total                    | 1320   |           | mg/kg | 220   | 12.7  | 2               | 06/16/22 20:39 | 06/23/22 14:24 | EPA 3050B   | 1,6010D           | NB      |
| Selenium, Total                     | ND     |           | mg/kg | 1.76  | 0.227 | 2               | 06/16/22 20:39 | 06/23/22 14:24 | EPA 3050B   | 1,6010D           | NB      |
| Silver, Total                       | ND     |           | mg/kg | 0.881 | 0.249 | 2               | 06/16/22 20:39 | 06/23/22 14:24 | EPA 3050B   | 1,6010D           | NB      |
| Sodium, Total                       | 75.7   | J         | mg/kg | 176   | 2.78  | 2               | 06/16/22 20:39 | 06/23/22 14:24 | EPA 3050B   | 1,6010D           | NB      |
| Thallium, Total                     | ND     |           | mg/kg | 1.76  | 0.278 | 2               | 06/16/22 20:39 | 06/23/22 14:24 | EPA 3050B   | 1,6010D           | NB      |
| Vanadium, Total                     | 105    |           | mg/kg | 0.881 | 0.179 | 2               | 06/16/22 20:39 | 06/23/22 14:24 | EPA 3050B   | 1,6010D           | NB      |
| Zinc, Total                         | 211    |           | mg/kg | 4.41  | 0.258 | 2               | 06/16/22 20:39 | 06/23/22 14:24 | EPA 3050B   | 1,6010D           | NB      |



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

## SAMPLE RESULTS

Lab ID: L2230540-03

Date Collected: 06/09/22 10:10

Client ID: SB018(0-2)

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 95%

| Parameter                           | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Mansfield Lab</b> |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total                     | 4820   |           | mg/kg | 8.10  | 2.19  | 2               | 06/16/22 20:39 | 06/23/22 15:43 | EPA 3050B   | 1,6010D           | NB      |
| Antimony, Total                     | 0.470  | J         | mg/kg | 4.05  | 0.308 | 2               | 06/16/22 20:39 | 06/23/22 15:43 | EPA 3050B   | 1,6010D           | NB      |
| Arsenic, Total                      | 3.48   |           | mg/kg | 0.810 | 0.168 | 2               | 06/16/22 20:39 | 06/23/22 15:43 | EPA 3050B   | 1,6010D           | NB      |
| Barium, Total                       | 41.2   |           | mg/kg | 0.810 | 0.141 | 2               | 06/16/22 20:39 | 06/23/22 15:43 | EPA 3050B   | 1,6010D           | NB      |
| Beryllium, Total                    | 0.186  | J         | mg/kg | 0.405 | 0.027 | 2               | 06/16/22 20:39 | 06/23/22 15:43 | EPA 3050B   | 1,6010D           | NB      |
| Cadmium, Total                      | 0.494  | J         | mg/kg | 0.810 | 0.079 | 2               | 06/16/22 20:39 | 06/23/22 15:43 | EPA 3050B   | 1,6010D           | NB      |
| Calcium, Total                      | 7970   |           | mg/kg | 8.10  | 2.84  | 2               | 06/16/22 20:39 | 06/23/22 15:43 | EPA 3050B   | 1,6010D           | NB      |
| Chromium, Total                     | 9.82   |           | mg/kg | 0.810 | 0.078 | 2               | 06/16/22 20:39 | 06/23/22 15:43 | EPA 3050B   | 1,6010D           | NB      |
| Cobalt, Total                       | 4.18   |           | mg/kg | 1.62  | 0.134 | 2               | 06/16/22 20:39 | 06/23/22 15:43 | EPA 3050B   | 1,6010D           | NB      |
| Copper, Total                       | 240    |           | mg/kg | 0.810 | 0.209 | 2               | 06/16/22 20:39 | 06/23/22 15:43 | EPA 3050B   | 1,6010D           | NB      |
| Iron, Total                         | 10400  |           | mg/kg | 4.05  | 0.731 | 2               | 06/16/22 20:39 | 06/23/22 15:43 | EPA 3050B   | 1,6010D           | NB      |
| Lead, Total                         | 29.7   |           | mg/kg | 4.05  | 0.217 | 2               | 06/16/22 20:39 | 06/23/22 15:43 | EPA 3050B   | 1,6010D           | NB      |
| Magnesium, Total                    | 4860   |           | mg/kg | 8.10  | 1.25  | 2               | 06/16/22 20:39 | 06/23/22 15:43 | EPA 3050B   | 1,6010D           | NB      |
| Manganese, Total                    | 136    |           | mg/kg | 0.810 | 0.129 | 2               | 06/16/22 20:39 | 06/23/22 15:43 | EPA 3050B   | 1,6010D           | NB      |
| Mercury, Total                      | 0.055  | J         | mg/kg | 0.070 | 0.046 | 1               | 06/16/22 21:22 | 06/22/22 11:13 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                       | 7.96   |           | mg/kg | 2.02  | 0.196 | 2               | 06/16/22 20:39 | 06/23/22 15:43 | EPA 3050B   | 1,6010D           | NB      |
| Potassium, Total                    | 482    |           | mg/kg | 202   | 11.7  | 2               | 06/16/22 20:39 | 06/23/22 15:43 | EPA 3050B   | 1,6010D           | NB      |
| Selenium, Total                     | ND     |           | mg/kg | 1.62  | 0.209 | 2               | 06/16/22 20:39 | 06/23/22 15:43 | EPA 3050B   | 1,6010D           | NB      |
| Silver, Total                       | ND     |           | mg/kg | 0.810 | 0.229 | 2               | 06/16/22 20:39 | 06/23/22 15:43 | EPA 3050B   | 1,6010D           | NB      |
| Sodium, Total                       | 55.6   | J         | mg/kg | 162   | 2.55  | 2               | 06/16/22 20:39 | 06/23/22 15:43 | EPA 3050B   | 1,6010D           | NB      |
| Thallium, Total                     | ND     |           | mg/kg | 1.62  | 0.255 | 2               | 06/16/22 20:39 | 06/23/22 15:43 | EPA 3050B   | 1,6010D           | NB      |
| Vanadium, Total                     | 16.1   |           | mg/kg | 0.810 | 0.164 | 2               | 06/16/22 20:39 | 06/23/22 15:43 | EPA 3050B   | 1,6010D           | NB      |
| Zinc, Total                         | 64.6   |           | mg/kg | 4.05  | 0.237 | 2               | 06/16/22 20:39 | 06/23/22 15:43 | EPA 3050B   | 1,6010D           | NB      |



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

## SAMPLE RESULTS

Lab ID: L2230540-04

Date Collected: 06/09/22 10:20

Client ID: SB018(2-4)

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 92%

| Parameter                           | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Mansfield Lab</b> |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total                     | 4240   |           | mg/kg | 8.68  | 2.34  | 2               | 06/16/22 20:39 | 06/23/22 12:09 | EPA 3050B   | 1,6010D           | NB      |
| Antimony, Total                     | 0.408  | J         | mg/kg | 4.34  | 0.330 | 2               | 06/16/22 20:39 | 06/23/22 12:09 | EPA 3050B   | 1,6010D           | NB      |
| Arsenic, Total                      | 0.391  | J         | mg/kg | 0.868 | 0.181 | 2               | 06/16/22 20:39 | 06/23/22 12:09 | EPA 3050B   | 1,6010D           | NB      |
| Barium, Total                       | 29.8   |           | mg/kg | 0.868 | 0.151 | 2               | 06/16/22 20:39 | 06/23/22 12:09 | EPA 3050B   | 1,6010D           | NB      |
| Beryllium, Total                    | 0.356  | J         | mg/kg | 0.434 | 0.029 | 2               | 06/16/22 20:39 | 06/23/22 12:09 | EPA 3050B   | 1,6010D           | NB      |
| Cadmium, Total                      | 0.504  | J         | mg/kg | 0.868 | 0.085 | 2               | 06/16/22 20:39 | 06/23/22 12:09 | EPA 3050B   | 1,6010D           | NB      |
| Calcium, Total                      | 5750   |           | mg/kg | 8.68  | 3.04  | 2               | 06/16/22 20:39 | 06/23/22 12:09 | EPA 3050B   | 1,6010D           | NB      |
| Chromium, Total                     | 14.8   |           | mg/kg | 0.868 | 0.083 | 2               | 06/16/22 20:39 | 06/23/22 12:09 | EPA 3050B   | 1,6010D           | NB      |
| Cobalt, Total                       | 4.65   |           | mg/kg | 1.74  | 0.144 | 2               | 06/16/22 20:39 | 06/23/22 12:09 | EPA 3050B   | 1,6010D           | NB      |
| Copper, Total                       | 40.7   |           | mg/kg | 0.868 | 0.224 | 2               | 06/16/22 20:39 | 06/23/22 12:09 | EPA 3050B   | 1,6010D           | NB      |
| Iron, Total                         | 12600  |           | mg/kg | 4.34  | 0.784 | 2               | 06/16/22 20:39 | 06/23/22 12:09 | EPA 3050B   | 1,6010D           | NB      |
| Lead, Total                         | 9.13   |           | mg/kg | 4.34  | 0.233 | 2               | 06/16/22 20:39 | 06/23/22 12:09 | EPA 3050B   | 1,6010D           | NB      |
| Magnesium, Total                    | 4140   |           | mg/kg | 8.68  | 1.34  | 2               | 06/16/22 20:39 | 06/23/22 12:09 | EPA 3050B   | 1,6010D           | NB      |
| Manganese, Total                    | 222    |           | mg/kg | 0.868 | 0.138 | 2               | 06/16/22 20:39 | 06/23/22 12:09 | EPA 3050B   | 1,6010D           | NB      |
| Mercury, Total                      | ND     |           | mg/kg | 0.078 | 0.051 | 1               | 06/16/22 21:22 | 06/22/22 11:39 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                       | 7.65   |           | mg/kg | 2.17  | 0.210 | 2               | 06/16/22 20:39 | 06/23/22 12:09 | EPA 3050B   | 1,6010D           | NB      |
| Potassium, Total                    | 525    |           | mg/kg | 217   | 12.5  | 2               | 06/16/22 20:39 | 06/23/22 16:15 | EPA 3050B   | 1,6010D           | NB      |
| Selenium, Total                     | ND     |           | mg/kg | 1.74  | 0.224 | 2               | 06/16/22 20:39 | 06/23/22 12:09 | EPA 3050B   | 1,6010D           | NB      |
| Silver, Total                       | ND     |           | mg/kg | 0.868 | 0.246 | 2               | 06/16/22 20:39 | 06/23/22 12:09 | EPA 3050B   | 1,6010D           | NB      |
| Sodium, Total                       | 60.1   | J         | mg/kg | 174   | 2.74  | 2               | 06/16/22 20:39 | 06/23/22 12:09 | EPA 3050B   | 1,6010D           | NB      |
| Thallium, Total                     | ND     |           | mg/kg | 1.74  | 0.274 | 2               | 06/16/22 20:39 | 06/23/22 12:09 | EPA 3050B   | 1,6010D           | NB      |
| Vanadium, Total                     | 26.5   |           | mg/kg | 0.868 | 0.176 | 2               | 06/16/22 20:39 | 06/23/22 12:09 | EPA 3050B   | 1,6010D           | NB      |
| Zinc, Total                         | 30.1   |           | mg/kg | 4.34  | 0.254 | 2               | 06/16/22 20:39 | 06/23/22 12:09 | EPA 3050B   | 1,6010D           | NB      |



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

## SAMPLE RESULTS

Lab ID: L2230540-05

Date Collected: 06/09/22 12:00

Client ID: SB020(0-2)

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 93%

| Parameter                           | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Mansfield Lab</b> |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total                     | 3940   |           | mg/kg | 8.57  | 2.31  | 2               | 06/16/22 20:39 | 06/23/22 14:29 | EPA 3050B   | 1,6010D           | NB      |
| Antimony, Total                     | 0.968  | J         | mg/kg | 4.28  | 0.326 | 2               | 06/16/22 20:39 | 06/23/22 14:29 | EPA 3050B   | 1,6010D           | NB      |
| Arsenic, Total                      | 7.92   |           | mg/kg | 0.857 | 0.178 | 2               | 06/16/22 20:39 | 06/23/22 14:29 | EPA 3050B   | 1,6010D           | NB      |
| Barium, Total                       | 50.9   |           | mg/kg | 0.857 | 0.149 | 2               | 06/16/22 20:39 | 06/23/22 14:29 | EPA 3050B   | 1,6010D           | NB      |
| Beryllium, Total                    | 0.197  | J         | mg/kg | 0.428 | 0.028 | 2               | 06/16/22 20:39 | 06/23/22 14:29 | EPA 3050B   | 1,6010D           | NB      |
| Cadmium, Total                      | 0.968  |           | mg/kg | 0.857 | 0.084 | 2               | 06/16/22 20:39 | 06/23/22 14:29 | EPA 3050B   | 1,6010D           | NB      |
| Calcium, Total                      | 23400  |           | mg/kg | 8.57  | 3.00  | 2               | 06/16/22 20:39 | 06/23/22 14:29 | EPA 3050B   | 1,6010D           | NB      |
| Chromium, Total                     | 10.7   |           | mg/kg | 0.857 | 0.082 | 2               | 06/16/22 20:39 | 06/23/22 14:29 | EPA 3050B   | 1,6010D           | NB      |
| Cobalt, Total                       | 6.75   |           | mg/kg | 1.71  | 0.142 | 2               | 06/16/22 20:39 | 06/23/22 14:29 | EPA 3050B   | 1,6010D           | NB      |
| Copper, Total                       | 52.8   |           | mg/kg | 0.857 | 0.221 | 2               | 06/16/22 20:39 | 06/23/22 14:29 | EPA 3050B   | 1,6010D           | NB      |
| Iron, Total                         | 13200  |           | mg/kg | 4.28  | 0.774 | 2               | 06/16/22 20:39 | 06/23/22 14:29 | EPA 3050B   | 1,6010D           | NB      |
| Lead, Total                         | 77.3   |           | mg/kg | 4.28  | 0.230 | 2               | 06/16/22 20:39 | 06/23/22 14:29 | EPA 3050B   | 1,6010D           | NB      |
| Magnesium, Total                    | 9540   |           | mg/kg | 8.57  | 1.32  | 2               | 06/16/22 20:39 | 06/23/22 14:29 | EPA 3050B   | 1,6010D           | NB      |
| Manganese, Total                    | 304    |           | mg/kg | 0.857 | 0.136 | 2               | 06/16/22 20:39 | 06/23/22 14:29 | EPA 3050B   | 1,6010D           | NB      |
| Mercury, Total                      | 0.092  |           | mg/kg | 0.070 | 0.045 | 1               | 06/16/22 21:22 | 06/22/22 11:42 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                       | 10.9   |           | mg/kg | 2.14  | 0.207 | 2               | 06/16/22 20:39 | 06/23/22 14:29 | EPA 3050B   | 1,6010D           | NB      |
| Potassium, Total                    | 513    |           | mg/kg | 214   | 12.3  | 2               | 06/16/22 20:39 | 06/23/22 14:29 | EPA 3050B   | 1,6010D           | NB      |
| Selenium, Total                     | ND     |           | mg/kg | 1.71  | 0.221 | 2               | 06/16/22 20:39 | 06/23/22 14:29 | EPA 3050B   | 1,6010D           | NB      |
| Silver, Total                       | ND     |           | mg/kg | 0.857 | 0.242 | 2               | 06/16/22 20:39 | 06/23/22 14:29 | EPA 3050B   | 1,6010D           | NB      |
| Sodium, Total                       | 115    | J         | mg/kg | 171   | 2.70  | 2               | 06/16/22 20:39 | 06/23/22 14:29 | EPA 3050B   | 1,6010D           | NB      |
| Thallium, Total                     | ND     |           | mg/kg | 1.71  | 0.270 | 2               | 06/16/22 20:39 | 06/23/22 14:29 | EPA 3050B   | 1,6010D           | NB      |
| Vanadium, Total                     | 23.2   |           | mg/kg | 0.857 | 0.174 | 2               | 06/16/22 20:39 | 06/23/22 14:29 | EPA 3050B   | 1,6010D           | NB      |
| Zinc, Total                         | 263    |           | mg/kg | 4.28  | 0.251 | 2               | 06/16/22 20:39 | 06/23/22 14:29 | EPA 3050B   | 1,6010D           | NB      |





Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

## SAMPLE RESULTS

Lab ID: L2230540-06

Date Collected: 06/09/22 12:10

Client ID: SB020(2-4)

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 95%

| Parameter                           | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Mansfield Lab</b> |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total                     | 3010   |           | mg/kg | 8.04  | 2.17  | 2               | 06/16/22 20:39 | 06/23/22 14:34 | EPA 3050B   | 1,6010D           | NB      |
| Antimony, Total                     | 0.330  | J         | mg/kg | 4.02  | 0.306 | 2               | 06/16/22 20:39 | 06/23/22 14:34 | EPA 3050B   | 1,6010D           | NB      |
| Arsenic, Total                      | 8.25   |           | mg/kg | 0.804 | 0.167 | 2               | 06/16/22 20:39 | 06/23/22 14:34 | EPA 3050B   | 1,6010D           | NB      |
| Barium, Total                       | 28.2   |           | mg/kg | 0.804 | 0.140 | 2               | 06/16/22 20:39 | 06/23/22 14:34 | EPA 3050B   | 1,6010D           | NB      |
| Beryllium, Total                    | 0.145  | J         | mg/kg | 0.402 | 0.027 | 2               | 06/16/22 20:39 | 06/23/22 14:34 | EPA 3050B   | 1,6010D           | NB      |
| Cadmium, Total                      | 0.410  | J         | mg/kg | 0.804 | 0.079 | 2               | 06/16/22 20:39 | 06/23/22 14:34 | EPA 3050B   | 1,6010D           | NB      |
| Calcium, Total                      | 1510   |           | mg/kg | 8.04  | 2.82  | 2               | 06/16/22 20:39 | 06/23/22 14:34 | EPA 3050B   | 1,6010D           | NB      |
| Chromium, Total                     | 9.55   |           | mg/kg | 0.804 | 0.077 | 2               | 06/16/22 20:39 | 06/23/22 14:34 | EPA 3050B   | 1,6010D           | NB      |
| Cobalt, Total                       | 3.32   |           | mg/kg | 1.61  | 0.134 | 2               | 06/16/22 20:39 | 06/23/22 14:34 | EPA 3050B   | 1,6010D           | NB      |
| Copper, Total                       | 16.6   |           | mg/kg | 0.804 | 0.208 | 2               | 06/16/22 20:39 | 06/23/22 14:34 | EPA 3050B   | 1,6010D           | NB      |
| Iron, Total                         | 10400  |           | mg/kg | 4.02  | 0.726 | 2               | 06/16/22 20:39 | 06/23/22 14:34 | EPA 3050B   | 1,6010D           | NB      |
| Lead, Total                         | 13.2   |           | mg/kg | 4.02  | 0.216 | 2               | 06/16/22 20:39 | 06/23/22 14:34 | EPA 3050B   | 1,6010D           | NB      |
| Magnesium, Total                    | 1490   |           | mg/kg | 8.04  | 1.24  | 2               | 06/16/22 20:39 | 06/23/22 14:34 | EPA 3050B   | 1,6010D           | NB      |
| Manganese, Total                    | 145    |           | mg/kg | 0.804 | 0.128 | 2               | 06/16/22 20:39 | 06/23/22 14:34 | EPA 3050B   | 1,6010D           | NB      |
| Mercury, Total                      | ND     |           | mg/kg | 0.071 | 0.047 | 1               | 06/16/22 21:22 | 06/22/22 11:46 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                       | 6.68   |           | mg/kg | 2.01  | 0.195 | 2               | 06/16/22 20:39 | 06/23/22 14:34 | EPA 3050B   | 1,6010D           | NB      |
| Potassium, Total                    | 452    |           | mg/kg | 201   | 11.6  | 2               | 06/16/22 20:39 | 06/23/22 14:34 | EPA 3050B   | 1,6010D           | NB      |
| Selenium, Total                     | ND     |           | mg/kg | 1.61  | 0.208 | 2               | 06/16/22 20:39 | 06/23/22 14:34 | EPA 3050B   | 1,6010D           | NB      |
| Silver, Total                       | ND     |           | mg/kg | 0.804 | 0.228 | 2               | 06/16/22 20:39 | 06/23/22 14:34 | EPA 3050B   | 1,6010D           | NB      |
| Sodium, Total                       | 60.1   | J         | mg/kg | 161   | 2.53  | 2               | 06/16/22 20:39 | 06/23/22 14:34 | EPA 3050B   | 1,6010D           | NB      |
| Thallium, Total                     | ND     |           | mg/kg | 1.61  | 0.253 | 2               | 06/16/22 20:39 | 06/23/22 14:34 | EPA 3050B   | 1,6010D           | NB      |
| Vanadium, Total                     | 14.1   |           | mg/kg | 0.804 | 0.163 | 2               | 06/16/22 20:39 | 06/23/22 14:34 | EPA 3050B   | 1,6010D           | NB      |
| Zinc, Total                         | 69.1   |           | mg/kg | 4.02  | 0.236 | 2               | 06/16/22 20:39 | 06/23/22 14:34 | EPA 3050B   | 1,6010D           | NB      |



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

## SAMPLE RESULTS

Lab ID: L2230540-07

Date Collected: 06/09/22 11:00

Client ID: DUP\_060922

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 94%

| Parameter                           | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Mansfield Lab</b> |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total                     | 4590   |           | mg/kg | 8.30  | 2.24  | 2               | 06/16/22 20:39 | 06/23/22 15:29 | EPA 3050B   | 1,6010D           | NB      |
| Antimony, Total                     | 0.548  | J         | mg/kg | 4.15  | 0.315 | 2               | 06/16/22 20:39 | 06/23/22 15:29 | EPA 3050B   | 1,6010D           | NB      |
| Arsenic, Total                      | 5.04   |           | mg/kg | 0.830 | 0.172 | 2               | 06/16/22 20:39 | 06/23/22 15:29 | EPA 3050B   | 1,6010D           | NB      |
| Barium, Total                       | 39.1   |           | mg/kg | 0.830 | 0.144 | 2               | 06/16/22 20:39 | 06/23/22 15:29 | EPA 3050B   | 1,6010D           | NB      |
| Beryllium, Total                    | 0.166  | J         | mg/kg | 0.415 | 0.027 | 2               | 06/16/22 20:39 | 06/23/22 15:29 | EPA 3050B   | 1,6010D           | NB      |
| Cadmium, Total                      | 0.622  | J         | mg/kg | 0.830 | 0.081 | 2               | 06/16/22 20:39 | 06/23/22 15:29 | EPA 3050B   | 1,6010D           | NB      |
| Calcium, Total                      | 34700  |           | mg/kg | 8.30  | 2.90  | 2               | 06/16/22 20:39 | 06/23/22 15:29 | EPA 3050B   | 1,6010D           | NB      |
| Chromium, Total                     | 12.6   |           | mg/kg | 0.830 | 0.080 | 2               | 06/16/22 20:39 | 06/23/22 15:29 | EPA 3050B   | 1,6010D           | NB      |
| Cobalt, Total                       | 5.86   |           | mg/kg | 1.66  | 0.138 | 2               | 06/16/22 20:39 | 06/23/22 15:29 | EPA 3050B   | 1,6010D           | NB      |
| Copper, Total                       | 56.0   |           | mg/kg | 0.830 | 0.214 | 2               | 06/16/22 20:39 | 06/23/22 15:29 | EPA 3050B   | 1,6010D           | NB      |
| Iron, Total                         | 11900  |           | mg/kg | 4.15  | 0.749 | 2               | 06/16/22 20:39 | 06/23/22 15:29 | EPA 3050B   | 1,6010D           | NB      |
| Lead, Total                         | 42.0   |           | mg/kg | 4.15  | 0.222 | 2               | 06/16/22 20:39 | 06/23/22 15:29 | EPA 3050B   | 1,6010D           | NB      |
| Magnesium, Total                    | 19100  |           | mg/kg | 8.30  | 1.28  | 2               | 06/16/22 20:39 | 06/23/22 15:29 | EPA 3050B   | 1,6010D           | NB      |
| Manganese, Total                    | 252    |           | mg/kg | 0.830 | 0.132 | 2               | 06/16/22 20:39 | 06/23/22 15:29 | EPA 3050B   | 1,6010D           | NB      |
| Mercury, Total                      | 0.062  | J         | mg/kg | 0.074 | 0.048 | 1               | 06/16/22 21:22 | 06/22/22 11:49 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                       | 10.4   |           | mg/kg | 2.07  | 0.201 | 2               | 06/16/22 20:39 | 06/23/22 15:29 | EPA 3050B   | 1,6010D           | NB      |
| Potassium, Total                    | 611    |           | mg/kg | 207   | 11.9  | 2               | 06/16/22 20:39 | 06/23/22 15:29 | EPA 3050B   | 1,6010D           | NB      |
| Selenium, Total                     | ND     |           | mg/kg | 1.66  | 0.214 | 2               | 06/16/22 20:39 | 06/23/22 15:29 | EPA 3050B   | 1,6010D           | NB      |
| Silver, Total                       | ND     |           | mg/kg | 0.830 | 0.235 | 2               | 06/16/22 20:39 | 06/23/22 15:29 | EPA 3050B   | 1,6010D           | NB      |
| Sodium, Total                       | 142    | J         | mg/kg | 166   | 2.61  | 2               | 06/16/22 20:39 | 06/23/22 15:29 | EPA 3050B   | 1,6010D           | NB      |
| Thallium, Total                     | ND     |           | mg/kg | 1.66  | 0.261 | 2               | 06/16/22 20:39 | 06/23/22 15:29 | EPA 3050B   | 1,6010D           | NB      |
| Vanadium, Total                     | 25.2   |           | mg/kg | 0.830 | 0.168 | 2               | 06/16/22 20:39 | 06/23/22 15:29 | EPA 3050B   | 1,6010D           | NB      |
| Zinc, Total                         | 120    |           | mg/kg | 4.15  | 0.243 | 2               | 06/16/22 20:39 | 06/23/22 15:29 | EPA 3050B   | 1,6010D           | NB      |



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

## SAMPLE RESULTS

Lab ID: L2230540-08

Date Collected: 06/09/22 14:00

Client ID: SB021(0-2)

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 94%

| Parameter                           | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Mansfield Lab</b> |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total                     | 3860   |           | mg/kg | 8.24  | 2.22  | 2               | 06/16/22 20:39 | 06/23/22 15:34 | EPA 3050B   | 1,6010D           | NB      |
| Antimony, Total                     | 1.33   | J         | mg/kg | 4.12  | 0.313 | 2               | 06/16/22 20:39 | 06/23/22 15:34 | EPA 3050B   | 1,6010D           | NB      |
| Arsenic, Total                      | 10.8   |           | mg/kg | 0.824 | 0.171 | 2               | 06/16/22 20:39 | 06/23/22 15:34 | EPA 3050B   | 1,6010D           | NB      |
| Barium, Total                       | 64.4   |           | mg/kg | 0.824 | 0.143 | 2               | 06/16/22 20:39 | 06/23/22 15:34 | EPA 3050B   | 1,6010D           | NB      |
| Beryllium, Total                    | 0.190  | J         | mg/kg | 0.412 | 0.027 | 2               | 06/16/22 20:39 | 06/23/22 15:34 | EPA 3050B   | 1,6010D           | NB      |
| Cadmium, Total                      | 0.890  |           | mg/kg | 0.824 | 0.081 | 2               | 06/16/22 20:39 | 06/23/22 15:34 | EPA 3050B   | 1,6010D           | NB      |
| Calcium, Total                      | 16200  |           | mg/kg | 8.24  | 2.88  | 2               | 06/16/22 20:39 | 06/23/22 15:34 | EPA 3050B   | 1,6010D           | NB      |
| Chromium, Total                     | 9.52   |           | mg/kg | 0.824 | 0.079 | 2               | 06/16/22 20:39 | 06/23/22 15:34 | EPA 3050B   | 1,6010D           | NB      |
| Cobalt, Total                       | 5.26   |           | mg/kg | 1.65  | 0.137 | 2               | 06/16/22 20:39 | 06/23/22 15:34 | EPA 3050B   | 1,6010D           | NB      |
| Copper, Total                       | 81.8   |           | mg/kg | 0.824 | 0.212 | 2               | 06/16/22 20:39 | 06/23/22 15:34 | EPA 3050B   | 1,6010D           | NB      |
| Iron, Total                         | 13700  |           | mg/kg | 4.12  | 0.744 | 2               | 06/16/22 20:39 | 06/23/22 15:34 | EPA 3050B   | 1,6010D           | NB      |
| Lead, Total                         | 88.7   |           | mg/kg | 4.12  | 0.221 | 2               | 06/16/22 20:39 | 06/23/22 15:34 | EPA 3050B   | 1,6010D           | NB      |
| Magnesium, Total                    | 8580   |           | mg/kg | 8.24  | 1.27  | 2               | 06/16/22 20:39 | 06/23/22 15:34 | EPA 3050B   | 1,6010D           | NB      |
| Manganese, Total                    | 204    |           | mg/kg | 0.824 | 0.131 | 2               | 06/16/22 20:39 | 06/23/22 15:34 | EPA 3050B   | 1,6010D           | NB      |
| Mercury, Total                      | 0.102  |           | mg/kg | 0.078 | 0.051 | 1               | 06/16/22 21:22 | 06/22/22 11:52 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                       | 10.5   |           | mg/kg | 2.06  | 0.199 | 2               | 06/16/22 20:39 | 06/23/22 15:34 | EPA 3050B   | 1,6010D           | NB      |
| Potassium, Total                    | 484    |           | mg/kg | 206   | 11.9  | 2               | 06/16/22 20:39 | 06/23/22 15:34 | EPA 3050B   | 1,6010D           | NB      |
| Selenium, Total                     | ND     |           | mg/kg | 1.65  | 0.212 | 2               | 06/16/22 20:39 | 06/23/22 15:34 | EPA 3050B   | 1,6010D           | NB      |
| Silver, Total                       | ND     |           | mg/kg | 0.824 | 0.233 | 2               | 06/16/22 20:39 | 06/23/22 15:34 | EPA 3050B   | 1,6010D           | NB      |
| Sodium, Total                       | 91.3   | J         | mg/kg | 165   | 2.60  | 2               | 06/16/22 20:39 | 06/23/22 15:34 | EPA 3050B   | 1,6010D           | NB      |
| Thallium, Total                     | ND     |           | mg/kg | 1.65  | 0.260 | 2               | 06/16/22 20:39 | 06/23/22 15:34 | EPA 3050B   | 1,6010D           | NB      |
| Vanadium, Total                     | 27.8   |           | mg/kg | 0.824 | 0.167 | 2               | 06/16/22 20:39 | 06/23/22 15:34 | EPA 3050B   | 1,6010D           | NB      |
| Zinc, Total                         | 127    |           | mg/kg | 4.12  | 0.241 | 2               | 06/16/22 20:39 | 06/23/22 15:34 | EPA 3050B   | 1,6010D           | NB      |



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

## SAMPLE RESULTS

Lab ID: L2230540-09

Date Collected: 06/09/22 14:10

Client ID: SB021(2-4)

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 94%

| Parameter                           | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Mansfield Lab</b> |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total                     | 3790   |           | mg/kg | 8.28  | 2.24  | 2               | 06/16/22 20:39 | 06/23/22 15:38 | EPA 3050B   | 1,6010D           | NB      |
| Antimony, Total                     | ND     |           | mg/kg | 4.14  | 0.315 | 2               | 06/16/22 20:39 | 06/23/22 15:38 | EPA 3050B   | 1,6010D           | NB      |
| Arsenic, Total                      | 0.671  | J         | mg/kg | 0.828 | 0.172 | 2               | 06/16/22 20:39 | 06/23/22 15:38 | EPA 3050B   | 1,6010D           | NB      |
| Barium, Total                       | 25.5   |           | mg/kg | 0.828 | 0.144 | 2               | 06/16/22 20:39 | 06/23/22 15:38 | EPA 3050B   | 1,6010D           | NB      |
| Beryllium, Total                    | 0.108  | J         | mg/kg | 0.414 | 0.027 | 2               | 06/16/22 20:39 | 06/23/22 15:38 | EPA 3050B   | 1,6010D           | NB      |
| Cadmium, Total                      | 0.224  | J         | mg/kg | 0.828 | 0.081 | 2               | 06/16/22 20:39 | 06/23/22 15:38 | EPA 3050B   | 1,6010D           | NB      |
| Calcium, Total                      | 3220   |           | mg/kg | 8.28  | 2.90  | 2               | 06/16/22 20:39 | 06/23/22 15:38 | EPA 3050B   | 1,6010D           | NB      |
| Chromium, Total                     | 9.18   |           | mg/kg | 0.828 | 0.080 | 2               | 06/16/22 20:39 | 06/23/22 15:38 | EPA 3050B   | 1,6010D           | NB      |
| Cobalt, Total                       | 5.68   |           | mg/kg | 1.66  | 0.137 | 2               | 06/16/22 20:39 | 06/23/22 15:38 | EPA 3050B   | 1,6010D           | NB      |
| Copper, Total                       | 13.8   |           | mg/kg | 0.828 | 0.214 | 2               | 06/16/22 20:39 | 06/23/22 15:38 | EPA 3050B   | 1,6010D           | NB      |
| Iron, Total                         | 6220   |           | mg/kg | 4.14  | 0.748 | 2               | 06/16/22 20:39 | 06/23/22 15:38 | EPA 3050B   | 1,6010D           | NB      |
| Lead, Total                         | 4.77   |           | mg/kg | 4.14  | 0.222 | 2               | 06/16/22 20:39 | 06/23/22 15:38 | EPA 3050B   | 1,6010D           | NB      |
| Magnesium, Total                    | 2240   |           | mg/kg | 8.28  | 1.28  | 2               | 06/16/22 20:39 | 06/23/22 15:38 | EPA 3050B   | 1,6010D           | NB      |
| Manganese, Total                    | 317    |           | mg/kg | 0.828 | 0.132 | 2               | 06/16/22 20:39 | 06/23/22 15:38 | EPA 3050B   | 1,6010D           | NB      |
| Mercury, Total                      | ND     |           | mg/kg | 0.067 | 0.044 | 1               | 06/16/22 21:22 | 06/22/22 11:56 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                       | 6.49   |           | mg/kg | 2.07  | 0.200 | 2               | 06/16/22 20:39 | 06/23/22 15:38 | EPA 3050B   | 1,6010D           | NB      |
| Potassium, Total                    | 740    |           | mg/kg | 207   | 11.9  | 2               | 06/16/22 20:39 | 06/23/22 15:38 | EPA 3050B   | 1,6010D           | NB      |
| Selenium, Total                     | ND     |           | mg/kg | 1.66  | 0.214 | 2               | 06/16/22 20:39 | 06/23/22 15:38 | EPA 3050B   | 1,6010D           | NB      |
| Silver, Total                       | ND     |           | mg/kg | 0.828 | 0.234 | 2               | 06/16/22 20:39 | 06/23/22 15:38 | EPA 3050B   | 1,6010D           | NB      |
| Sodium, Total                       | 50.2   | J         | mg/kg | 166   | 2.61  | 2               | 06/16/22 20:39 | 06/23/22 15:38 | EPA 3050B   | 1,6010D           | NB      |
| Thallium, Total                     | ND     |           | mg/kg | 1.66  | 0.261 | 2               | 06/16/22 20:39 | 06/23/22 15:38 | EPA 3050B   | 1,6010D           | NB      |
| Vanadium, Total                     | 14.1   |           | mg/kg | 0.828 | 0.168 | 2               | 06/16/22 20:39 | 06/23/22 15:38 | EPA 3050B   | 1,6010D           | NB      |
| Zinc, Total                         | 21.0   |           | mg/kg | 4.14  | 0.242 | 2               | 06/16/22 20:39 | 06/23/22 15:38 | EPA 3050B   | 1,6010D           | NB      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

## Method Blank Analysis Batch Quality Control

| Parameter  | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|--|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 01-09 Batch: WG1650984-1 |        |           |       |       |       |                    |                  |                  |                      |         |
| Aluminum, Total  | ND     |           | mg/kg | 4.00  | 1.08  | 1                  | 06/16/22 20:39   | 06/23/22 11:50   | 1,6010D              | NB      |
| Antimony, Total  | ND     |           | mg/kg | 2.00  | 0.152 | 1                  | 06/16/22 20:39   | 06/23/22 11:50   | 1,6010D              | NB      |
| Arsenic, Total   | ND     |           | mg/kg | 0.400 | 0.083 | 1                  | 06/16/22 20:39   | 06/23/22 11:50   | 1,6010D              | NB      |
| Barium, Total  | ND     |           | mg/kg | 0.400 | 0.070 | 1                  | 06/16/22 20:39   | 06/23/22 11:50   | 1,6010D              | NB      |
| Beryllium, Total   | ND     |           | mg/kg | 0.200 | 0.013 | 1                  | 06/16/22 20:39   | 06/23/22 11:50   | 1,6010D              | NB      |
| Cadmium, Total   | ND     |           | mg/kg | 0.400 | 0.039 | 1                  | 06/16/22 20:39   | 06/23/22 11:50   | 1,6010D              | NB      |
| Calcium, Total   | ND     |           | mg/kg | 4.00  | 1.40  | 1                  | 06/16/22 20:39   | 06/23/22 11:50   | 1,6010D              | NB      |
| Chromium, Total  | ND     |           | mg/kg | 0.400 | 0.038 | 1                  | 06/16/22 20:39   | 06/23/22 11:50   | 1,6010D              | NB      |
| Cobalt, Total  | ND     |           | mg/kg | 0.800 | 0.066 | 1                  | 06/16/22 20:39   | 06/23/22 11:50   | 1,6010D              | NB      |
| Copper, Total  | ND     |           | mg/kg | 0.400 | 0.103 | 1                  | 06/16/22 20:39   | 06/23/22 11:50   | 1,6010D              | NB      |
| Iron, Total  | 1.22   | J         | mg/kg | 2.00  | 0.361 | 1                  | 06/16/22 20:39   | 06/23/22 11:50   | 1,6010D              | NB      |
| Lead, Total  | ND     |           | mg/kg | 2.00  | 0.107 | 1                  | 06/16/22 20:39   | 06/23/22 11:50   | 1,6010D              | NB      |
| Magnesium, Total   | 1.14   | J         | mg/kg | 4.00  | 0.616 | 1                  | 06/16/22 20:39   | 06/23/22 11:50   | 1,6010D              | NB      |
| Manganese, Total   | ND     |           | mg/kg | 0.400 | 0.064 | 1                  | 06/16/22 20:39   | 06/23/22 11:50   | 1,6010D              | NB      |
| Nickel, Total  | ND     |           | mg/kg | 1.00  | 0.097 | 1                  | 06/16/22 20:39   | 06/23/22 11:50   | 1,6010D              | NB      |
| Potassium, Total   | ND     |           | mg/kg | 100   | 5.76  | 1                  | 06/16/22 20:39   | 06/23/22 15:20   | 1,6010D              | NB      |
| Selenium, Total  | ND     |           | mg/kg | 0.800 | 0.103 | 1                  | 06/16/22 20:39   | 06/23/22 11:50   | 1,6010D              | NB      |
| Silver, Total  | ND     |           | mg/kg | 0.400 | 0.113 | 1                  | 06/16/22 20:39   | 06/23/22 11:50   | 1,6010D              | NB      |
| Sodium, Total  | ND     |           | mg/kg | 80.0  | 1.26  | 1                  | 06/16/22 20:39   | 06/23/22 11:50   | 1,6010D              | NB      |
| Thallium, Total  | ND     |           | mg/kg | 0.800 | 0.126 | 1                  | 06/16/22 20:39   | 06/23/22 11:50   | 1,6010D              | NB      |
| Vanadium, Total  | ND     |           | mg/kg | 0.400 | 0.081 | 1                  | 06/16/22 20:39   | 06/23/22 11:50   | 1,6010D              | NB      |
| Zinc, Total  | ND     |           | mg/kg | 2.00  | 0.117 | 1                  | 06/16/22 20:39   | 06/23/22 11:50   | 1,6010D              | NB      |

### Prep Information

Digestion Method: EPA 3050B

| Parameter  | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|--|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 01-09 Batch: WG1650986-1 |        |           |       |       |       |                    |                  |                  |                      |         |
| Mercury, Total   | ND     |           | mg/kg | 0.083 | 0.054 | 1                  | 06/16/22 21:22   | 06/22/22 11:06   | 1,7471B              | DMB     |



**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2230540

**Project Number:** 3883.0001Y000

**Report Date:** 06/23/22

## Method Blank Analysis Batch Quality Control

### Prep Information

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Digestion Method: EPA 7471B

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2230540

**Project Number:** 3883.0001Y000

**Report Date:** 06/23/22

| Parameter  | LCS       |      | LCSD      |      | %Recovery Limits | RPD | Qual | RPD Limits |
|--|-----------|------|-----------|------|------------------|-----|------|------------|
|  | %Recovery | Qual | %Recovery | Qual |                  |     |      |            |
| Total Metals - Mansfield Lab Associated sample(s): 01-09 Batch: WG1650984-2 SRM Lot Number: D113-540 |           |      |           |      |                  |     |      |            |
| Aluminum, Total  | 76        |      | -         |      | 51-149           | -   |      |            |
| Antimony, Total  | 140       |      | -         |      | 20-250           | -   |      |            |
| Arsenic, Total   | 104       |      | -         |      | 70-130           | -   |      |            |
| Barium, Total  | 99        |      | -         |      | 75-125           | -   |      |            |
| Beryllium, Total   | 96        |      | -         |      | 75-125           | -   |      |            |
| Cadmium, Total   | 97        |      | -         |      | 75-125           | -   |      |            |
| Calcium, Total   | 94        |      | -         |      | 73-128           | -   |      |            |
| Chromium, Total  | 93        |      | -         |      | 70-130           | -   |      |            |
| Cobalt, Total  | 102       |      | -         |      | 75-125           | -   |      |            |
| Copper, Total  | 101       |      | -         |      | 75-125           | -   |      |            |
| Iron, Total  | 88        |      | -         |      | 36-164           | -   |      |            |
| Lead, Total  | 100       |      | -         |      | 72-128           | -   |      |            |
| Magnesium, Total   | 95        |      | -         |      | 63-138           | -   |      |            |
| Manganese, Total   | 91        |      | -         |      | 77-123           | -   |      |            |
| Nickel, Total  | 98        |      | -         |      | 70-130           | -   |      |            |
| Potassium, Total   | 97        |      | -         |      | 59-141           | -   |      |            |
| Selenium, Total  | 99        |      | -         |      | 66-134           | -   |      |            |
| Silver, Total  | 101       |      | -         |      | 70-131           | -   |      |            |
| Sodium, Total  | 100       |      | -         |      | 35-164           | -   |      |            |
| Thallium, Total  | 98        |      | -         |      | 70-130           | -   |      |            |
| Vanadium, Total  | 95        |      | -         |      | 74-126           | -   |      |            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD

**Project Number:** 3883.0001Y000

**Lab Number:** L2230540

**Report Date:** 06/23/22

| Parameter  | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|--|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-09 Batch: WG1650984-2 SRM Lot Number: D113-540 |                  |                   |                     |     |            |
| Zinc, Total  | 99               | -                 | 70-130              | -   |            |
| Total Metals - Mansfield Lab Associated sample(s): 01-09 Batch: WG1650986-2 SRM Lot Number: D113-540 |                  |                   |                     |     |            |
| Mercury, Total   | 96               | -                 | 60-140              | -   |            |



### Matrix Spike Analysis Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

| Parameter  | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|--|---------------|----------|----------|--------------|------|-----------|---------------|------|-----------------|-----|------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG1650984-3 WG1650984-4 QC Sample: L2230540-03 Client ID: SB018(0-2) |               |          |          |              |      |           |               |      |                 |     |      |            |
| Aluminum, Total  | 4820          | 166      | 5270     | 270          | Q    | 4080      | 0             | Q    | 75-125          | 25  | Q    | 20         |
| Antimony, Total  | 0.470J        | 41.6     | 28.8     | 69           | Q    | 32.4      | 79            |      | 75-125          | 12  |      | 20         |
| Arsenic, Total   | 3.48          | 9.98     | 12.8     | 93           |      | 12.1      | 88            |      | 75-125          | 6   |      | 20         |
| Barium, Total  | 41.2          | 166      | 195      | 92           |      | 186       | 88            |      | 75-125          | 5   |      | 20         |
| Beryllium, Total   | 0.186J        | 4.16     | 4.08     | 98           |      | 3.95      | 96            |      | 75-125          | 3   |      | 20         |
| Cadmium, Total   | 0.494J        | 4.41     | 4.35     | 99           |      | 4.38      | 101           |      | 75-125          | 1   |      | 20         |
| Calcium, Total   | 7970          | 832      | 6630     | 0            | Q    | 17900     | 1210          | Q    | 75-125          | 92  | Q    | 20         |
| Chromium, Total  | 9.82          | 16.6     | 28.4     | 112          |      | 21.4      | 71            | Q    | 75-125          | 28  | Q    | 20         |
| Cobalt, Total  | 4.18          | 41.6     | 38.2     | 82           |      | 38.8      | 84            |      | 75-125          | 2   |      | 20         |
| Copper, Total  | 240           | 20.8     | 247      | 34           | Q    | 140       | 0             | Q    | 75-125          | 55  | Q    | 20         |
| Iron, Total  | 10400         | 83.2     | 11100    | 842          | Q    | 12800     | 2930          | Q    | 75-125          | 14  |      | 20         |
| Lead, Total  | 29.7          | 44.1     | 66.4     | 83           |      | 62.9      | 76            |      | 75-125          | 5   |      | 20         |
| Magnesium, Total   | 4860          | 832      | 4200     | 0            | Q    | 10600     | 701           | Q    | 75-125          | 86  | Q    | 20         |
| Manganese, Total   | 136           | 41.6     | 181      | 108          |      | 165       | 71            | Q    | 75-125          | 9   |      | 20         |
| Nickel, Total  | 7.96          | 41.6     | 44.2     | 87           |      | 41.5      | 82            |      | 75-125          | 6   |      | 20         |
| Potassium, Total   | 482           | 832      | 1340     | 103          |      | 1310      | 101           |      | 75-125          | 2   |      | 20         |
| Selenium, Total  | ND            | 9.98     | 8.42     | 84           |      | 8.14      | 83            |      | 75-125          | 3   |      | 20         |
| Silver, Total  | ND            | 25       | 22.1     | 88           |      | 22.4      | 91            |      | 75-125          | 1   |      | 20         |
| Sodium, Total  | 55.6J         | 832      | 845      | 102          |      | 870       | 106           |      | 75-125          | 3   |      | 20         |
| Thallium, Total  | ND            | 9.98     | 6.92     | 69           | Q    | 6.92      | 70            | Q    | 75-125          | 0   |      | 20         |
| Vanadium, Total  | 16.1          | 41.6     | 56.1     | 96           |      | 53.2      | 91            |      | 75-125          | 5   |      | 20         |

### Matrix Spike Analysis Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

| Parameter  | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|--|---------------|----------|----------|--------------|-----------|---------------|-----------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG1650984-3 WG1650984-4 QC Sample: L2230540-03 Client ID: SB018(0-2) |               |          |          |              |           |               |                 |     |            |
| Zinc, Total  | 64.6          | 41.6     | 102      | 90           | 195       | 318           | Q 75-125        | 63  | Q 20       |
| Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG1650986-3 WG1650986-4 QC Sample: L2230540-03 Client ID: SB018(0-2) |               |          |          |              |           |               |                 |     |            |
| Mercury, Total   | 0.055J        | 1.47     | 1.50     | 102          | 1.38      | 102           | 80-120          | 8   | 20         |

Project Name: 40-40 NORTHERN BLVD

Project Number: 3883.0001Y000

**Lab Serial Dilution  
Analysis  
Batch Quality Control**

Lab Number: L2230540

Report Date: 06/23/22

| Parameter  | Native Sample | Serial Dilution | Units | % D | Qual | RPD Limits |
|--|---------------|-----------------|-------|-----|------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG1650984-6 QC Sample: L2230540-03 Client ID: SB018(0-2) |               |                 |       |     |      |            |
| Aluminum, Total  | 4820          | 5550            | mg/kg | 15  |      | 20         |
| Barium, Total  | 41.2          | 47.5            | mg/kg | 15  |      | 20         |
| Calcium, Total   | 7970          | 9190            | mg/kg | 15  |      | 20         |
| Copper, Total  | 240           | 268             | mg/kg | 12  |      | 20         |
| Iron, Total  | 10400         | 12200           | mg/kg | 17  |      | 20         |
| Magnesium, Total   | 4860          | 5810            | mg/kg | 20  |      | 20         |
| Manganese, Total   | 136           | 156             | mg/kg | 15  |      | 20         |

# **INORGANICS & MISCELLANEOUS**

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230540-01  
**Client ID:** SB019(0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 09:00  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| <b>General Chemistry - Westborough Lab</b> |        |           |       |       |       |                 |                |                |                   |         |
| Solids, Total                              | 86.4   |           | %     | 0.100 | NA    | 1               | -              | 06/10/22 16:18 | 121,2540G         | TR      |
| Cyanide, Total                             | ND     |           | mg/kg | 1.1   | 0.24  | 1               | 06/14/22 11:15 | 06/14/22 14:42 | 1,9010C/9012B     | CS      |
| Chromium, Hexavalent                       | ND     |           | mg/kg | 0.926 | 0.185 | 1               | 06/12/22 13:34 | 06/12/22 21:43 | 1,7196A           | NL      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230540-02  
**Client ID:** SB019(2-4)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 09:10  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| <b>General Chemistry - Westborough Lab</b> |        |           |       |       |       |                 |                |                |                   |         |
| Solids, Total                              | 89.2   |           | %     | 0.100 | NA    | 1               | -              | 06/10/22 16:18 | 121,2540G         | TR      |
| Cyanide, Total                             | ND     |           | mg/kg | 1.0   | 0.22  | 1               | 06/14/22 11:15 | 06/14/22 14:43 | 1,9010C/9012B     | CS      |
| Chromium, Hexavalent                       | 0.179  | J         | mg/kg | 0.897 | 0.179 | 1               | 06/12/22 13:34 | 06/12/22 21:43 | 1,7196A           | NL      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230540-03  
**Client ID:** SB018(0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 10:10  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| <b>General Chemistry - Westborough Lab</b> |        |           |       |       |       |                 |                |                |                   |         |
| Solids, Total                              | 94.6   |           | %     | 0.100 | NA    | 1               | -              | 06/10/22 16:18 | 121,2540G         | TR      |
| Cyanide, Total                             | ND     |           | mg/kg | 0.99  | 0.21  | 1               | 06/14/22 11:15 | 06/14/22 14:44 | 1,9010C/9012B     | CS      |
| Chromium, Hexavalent                       | ND     |           | mg/kg | 0.846 | 0.169 | 1               | 06/12/22 13:34 | 06/12/22 21:43 | 1,7196A           | NL      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230540-04  
**Client ID:** SB018(2-4)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 10:20  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| <b>General Chemistry - Westborough Lab</b> |        |           |       |       |       |                 |                |                |                   |         |
| Solids, Total                              | 91.9   |           | %     | 0.100 | NA    | 1               | -              | 06/10/22 16:18 | 121,2540G         | TR      |
| Cyanide, Total                             | ND     |           | mg/kg | 1.1   | 0.23  | 1               | 06/14/22 15:05 | 06/15/22 09:25 | 1,9010C/9012B     | CS      |
| Chromium, Hexavalent                       | 0.348  | J         | mg/kg | 0.870 | 0.174 | 1               | 06/12/22 13:34 | 06/12/22 21:43 | 1,7196A           | NL      |





**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230540-05  
**Client ID:** SB020(0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 12:00  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| <b>General Chemistry - Westborough Lab</b> |        |           |       |       |       |                 |                |                |                   |         |
| Solids, Total                              | 93.3   |           | %     | 0.100 | NA    | 1               | -              | 06/10/22 16:18 | 121,2540G         | TR      |
| Cyanide, Total                             | ND     |           | mg/kg | 1.1   | 0.22  | 1               | 06/14/22 15:05 | 06/15/22 09:26 | 1,9010C/9012B     | CS      |
| Chromium, Hexavalent                       | ND     |           | mg/kg | 0.857 | 0.171 | 1               | 06/12/22 13:34 | 06/12/22 21:43 | 1,7196A           | NL      |



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

## SAMPLE RESULTS

Lab ID: L2230540-06

Date Collected: 06/09/22 12:10

Client ID: SB020(2-4)

Date Received: 06/09/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter                                  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| <b>General Chemistry - Westborough Lab</b> |        |           |       |       |       |                 |                |                |                   |         |
| Solids, Total                              | 95.1   |           | %     | 0.100 | NA    | 1               | -              | 06/10/22 16:18 | 121,2540G         | TR      |
| Cyanide, Total                             | ND     |           | mg/kg | 1.0   | 0.21  | 1               | 06/14/22 15:05 | 06/15/22 09:27 | 1,9010C/9012B     | CS      |
| Chromium, Hexavalent                       | 0.168  | J         | mg/kg | 0.841 | 0.168 | 1               | 06/12/22 13:34 | 06/12/22 21:43 | 1,7196A           | NL      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230540-07  
**Client ID:** DUP\_060922  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 11:00  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| <b>General Chemistry - Westborough Lab</b> |        |           |       |       |       |                 |                |                |                   |         |
| Solids, Total                              | 93.8   |           | %     | 0.100 | NA    | 1               | -              | 06/10/22 16:18 | 121,2540G         | TR      |
| Cyanide, Total                             | ND     |           | mg/kg | 1.0   | 0.22  | 1               | 06/14/22 15:05 | 06/15/22 09:28 | 1,9010C/9012B     | CS      |
| Chromium, Hexavalent                       | ND     |           | mg/kg | 0.853 | 0.170 | 1               | 06/12/22 13:34 | 06/12/22 21:43 | 1,7196A           | NL      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230540-08  
**Client ID:** SB021(0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 14:00  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| <b>General Chemistry - Westborough Lab</b> |        |           |       |       |       |                 |                |                |                   |         |
| Solids, Total                              | 94.3   |           | %     | 0.100 | NA    | 1               | -              | 06/10/22 16:18 | 121,2540G         | TR      |
| Cyanide, Total                             | ND     |           | mg/kg | 1.0   | 0.22  | 1               | 06/14/22 15:05 | 06/15/22 09:29 | 1,9010C/9012B     | CS      |
| Chromium, Hexavalent                       | ND     |           | mg/kg | 0.848 | 0.170 | 1               | 06/12/22 13:34 | 06/12/22 21:43 | 1,7196A           | NL      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**SAMPLE RESULTS**

**Lab ID:** L2230540-09  
**Client ID:** SB021(2-4)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/09/22 14:10  
**Date Received:** 06/09/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| <b>General Chemistry - Westborough Lab</b> |        |           |       |       |       |                 |                |                |                   |         |
| Solids, Total                              | 93.7   |           | %     | 0.100 | NA    | 1               | -              | 06/10/22 16:18 | 121,2540G         | TR      |
| Cyanide, Total                             | ND     |           | mg/kg | 1.0   | 0.22  | 1               | 06/14/22 15:05 | 06/15/22 09:30 | 1,9010C/9012B     | CS      |
| Chromium, Hexavalent                       | 0.406  | J         | mg/kg | 0.854 | 0.171 | 1               | 06/12/22 13:34 | 06/12/22 21:43 | 1,7196A           | NL      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

**Method Blank Analysis**  
**Batch Quality Control**

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|---|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab for sample(s): 01-09 Batch: WG1649313-1 |        |           |       |       |       |                    |                  |                  |                      |         |
| Chromium, Hexavalent  | ND     |           | mg/kg | 0.800 | 0.160 | 1                  | 06/12/22 13:34   | 06/12/22 21:43   | 1,7196A              | NL      |
| General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1650304-1 |        |           |       |       |       |                    |                  |                  |                      |         |
| Cyanide, Total  | ND     |           | mg/kg | 0.96  | 0.20  | 1                  | 06/14/22 11:15   | 06/14/22 14:22   | 1,9010C/9012B        | CS      |
| General Chemistry - Westborough Lab for sample(s): 04-09 Batch: WG1650376-1 |        |           |       |       |       |                    |                  |                  |                      |         |
| Cyanide, Total  | ND     |           | mg/kg | 0.85  | 0.18  | 1                  | 06/14/22 15:05   | 06/15/22 09:16   | 1,9010C/9012B        | CS      |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD

**Project Number:** 3883.0001Y000

**Lab Number:** L2230540

**Report Date:** 06/23/22

| Parameter  | LCS       |      | LCSD      |      | %Recovery Limits | RPD | Qual | RPD Limits |
|--|-----------|------|-----------|------|------------------|-----|------|------------|
|  | %Recovery | Qual | %Recovery | Qual |                  |     |      |            |
| General Chemistry - Westborough Lab Associated sample(s): 01-09 Batch: WG1649313-2             |           |      |           |      |                  |     |      |            |
| Chromium, Hexavalent   | 85        |      | -         |      | 80-120           | -   |      | 20         |
| General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1650304-2 WG1650304-3 |           |      |           |      |                  |     |      |            |
| Cyanide, Total   | 46        | Q    | 92        |      | 80-120           | 61  | Q    | 35         |
| General Chemistry - Westborough Lab Associated sample(s): 04-09 Batch: WG1650376-2 WG1650376-3 |           |      |           |      |                  |     |      |            |
| Cyanide, Total   | 71        | Q    | 82        |      | 80-120           | 15  |      | 35         |

### Matrix Spike Analysis Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

| Parameter   | Native Sample | MS Added | MS Found | MS %Recovery | MSD Qual | MSD Found | MSD %Recovery | MSD Qual | Recovery Limits | RPD | RPD Qual | RPD Limits |
|---|---------------|----------|----------|--------------|----------|-----------|---------------|----------|-----------------|-----|----------|------------|
| General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1649313-4 WG1649313-5 QC Sample: L2230540-03 Client ID: SB018(0-2) |               |          |          |              |          |           |               |          |                 |     |          |            |
| Chromium, Hexavalent  | ND            | 1040     | 1020     | 98           |          | 854       | 98            |          | 75-125          | 18  |          | 20         |
| General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1650304-4 WG1650304-5 QC Sample: L2230540-03 Client ID: SB018(0-2) |               |          |          |              |          |           |               |          |                 |     |          |            |
| Cyanide, Total  | ND            | 10       | 11       | 110          |          | 10        | 100           |          | 75-125          | 10  |          | 35         |
| General Chemistry - Westborough Lab Associated sample(s): 04-09 QC Batch ID: WG1650376-4 WG1650376-5 QC Sample: L2230540-09 Client ID: SB021(2-4) |               |          |          |              |          |           |               |          |                 |     |          |            |
| Cyanide, Total  | ND            | 10       | 10       | 98           |          | 9.7       | 93            |          | 75-125          | 3   |          | 35         |



## Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** 40-40 NORTHERN BLVD

**Project Number:** 3883.0001Y000

**Lab Number:** L2230540

**Report Date:** 06/23/22

| Parameter   | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1649251-1 QC Sample: L2230540-03 Client ID: SB018(0-2) |               |                  |       |     |      |            |
| Solids, Total   | 94.6          | 94.8             | %     | 0   |      | 20         |
| General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1649313-7 QC Sample: L2230540-03 Client ID: SB018(0-2) |               |                  |       |     |      |            |
| Chromium, Hexavalent  | ND            | ND               | mg/kg | NC  |      | 20         |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

Serial\_No:06232221:07  
**Lab Number:** L2230540  
**Report Date:** 06/23/22

**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

**Cooler Information**

|               |                     |
|---------------|---------------------|
| <b>Cooler</b> | <b>Custody Seal</b> |
| B             | Absent              |
| C             | Absent              |

**Container Information**

| <b>Container ID</b> | <b>Container Type</b>                  | <b>Cooler</b> | <b>Initial pH</b> | <b>Final pH</b> | <b>Temp deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen Date/Time</b> | <b>Analysis(*)</b>   |
|---------------------|--|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--|
| L2230540-01A        | 5 gram Encore Sampler                  | B             | NA                |                 | 4.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2230540-01B        | 5 gram Encore Sampler                  | B             | NA                |                 | 4.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2230540-01C        | 5 gram Encore Sampler                  | B             | NA                |                 | 4.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2230540-01D        | Plastic 2oz unpreserved for TS         | B             | NA                |                 | 4.6               | Y           | Absent      |                         | TS(7)  |
| L2230540-01E        | Metals Only-Glass 60mL/2oz unpreserved | B             | NA                |                 | 4.6               | Y           | Absent      |                         | BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),MG-TI(180),HG-T(28),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180) |
| L2230540-01F        | Glass 120ml/4oz unpreserved            | B             | NA                |                 | 4.6               | Y           | Absent      |                         | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2230540-01G        | Glass 500ml/16oz unpreserved           | B             | NA                |                 | 4.6               | Y           | Absent      |                         | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2230540-01X        | Vial MeOH preserved split              | B             | NA                |                 | 4.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2230540-01Y        | Vial Water preserved split             | B             | NA                |                 | 4.6               | Y           | Absent      | 10-JUN-22 15:37         | NYTCL-8260HLW(14)  |
| L2230540-01Z        | Vial Water preserved split             | B             | NA                |                 | 4.6               | Y           | Absent      | 10-JUN-22 15:37         | NYTCL-8260HLW(14)  |
| L2230540-02A        | 5 gram Encore Sampler                  | B             | NA                |                 | 4.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2230540-02B        | 5 gram Encore Sampler                  | B             | NA                |                 | 4.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2230540-02C        | 5 gram Encore Sampler                  | B             | NA                |                 | 4.6               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2230540-02D        | Plastic 2oz unpreserved for TS         | B             | NA                |                 | 4.6               | Y           | Absent      |                         | TS(7)  |
| L2230540-02E        | Metals Only-Glass 60mL/2oz unpreserved | B             | NA                |                 | 4.6               | Y           | Absent      |                         | BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |

\*Values in parentheses indicate holding time in days



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

Serial\_No:06232221:07  
**Lab Number:** L2230540  
**Report Date:** 06/23/22

**Container Information**

| Container ID  | Container Type                         | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)  |
|---------------|--|--------|------------|----------|------------|------|--------|------------------|--|
| L2230540-02F  | Glass 120ml/4oz unpreserved            | B      | NA         |          | 4.6        | Y    | Absent |                  | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2230540-02G  | Glass 500ml/16oz unpreserved           | B      | NA         |          | 4.6        | Y    | Absent |                  | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2230540-02X  | Vial MeOH preserved split              | B      | NA         |          | 4.6        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-02Y  | Vial Water preserved split             | B      | NA         |          | 4.6        | Y    | Absent | 10-JUN-22 15:37  | NYTCL-8260HLW(14)  |
| L2230540-02Z  | Vial Water preserved split             | B      | NA         |          | 4.6        | Y    | Absent | 10-JUN-22 15:37  | NYTCL-8260HLW(14)  |
| L2230540-03A  | 5 gram Encore Sampler                  | B      | NA         |          | 4.6        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-03A1 | 5 gram Encore Sampler                  | B      | NA         |          | 4.6        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-03A2 | 5 gram Encore Sampler                  | B      | NA         |          | 4.6        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-03B  | 5 gram Encore Sampler                  | B      | NA         |          | 4.6        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-03B1 | 5 gram Encore Sampler                  | B      | NA         |          | 4.6        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-03B2 | 5 gram Encore Sampler                  | C      | NA         |          | 3.9        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-03C  | 5 gram Encore Sampler                  | B      | NA         |          | 4.6        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-03C1 | 5 gram Encore Sampler                  | B      | NA         |          | 4.6        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-03C2 | 5 gram Encore Sampler                  | C      | NA         |          | 3.9        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-03D  | Plastic 2oz unpreserved for TS         | B      | NA         |          | 4.6        | Y    | Absent |                  | TS(7)  |
| L2230540-03D1 | Plastic 2oz unpreserved for TS         | B      | NA         |          | 4.6        | Y    | Absent |                  | TS(7)  |
| L2230540-03D2 | Plastic 2oz unpreserved for TS         | C      | NA         |          | 3.9        | Y    | Absent |                  | TS(7)  |
| L2230540-03E  | Metals Only-Glass 60mL/2oz unpreserved | B      | NA         |          | 4.6        | Y    | Absent |                  | BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),CU-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L2230540-03E1 | Metals Only-Glass 60mL/2oz unpreserved | B      | NA         |          | 4.6        | Y    | Absent |                  | BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),CU-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

**Container Information**

| Container ID  | Container Type                         | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)  |
|---------------|--|--------|------------|----------|------------|------|--------|------------------|--|
| L2230540-03E2 | Metals Only-Glass 60mL/2oz unpreserved | C      | NA         |          | 3.9        | Y    | Absent |                  | BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),CU-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L2230540-03F  | Glass 120ml/4oz unpreserved            | B      | NA         |          | 4.6        | Y    | Absent |                  | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2230540-03F1 | Glass 120ml/4oz unpreserved            | B      | NA         |          | 4.6        | Y    | Absent |                  | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2230540-03F2 | Glass 120ml/4oz unpreserved            | C      | NA         |          | 3.9        | Y    | Absent |                  | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2230540-03G  | Glass 500ml/16oz unpreserved           | B      | NA         |          | 4.6        | Y    | Absent |                  | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2230540-03G1 | Glass 500ml/16oz unpreserved           | B      | NA         |          | 4.6        | Y    | Absent |                  | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2230540-03G2 | Glass 500ml/16oz unpreserved           | C      | NA         |          | 3.9        | Y    | Absent |                  | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2230540-03X  | Vial MeOH preserved split              | B      | NA         |          | 4.6        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-03X1 | Vial MeOH preserved split              | B      | NA         |          | 4.6        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-03X2 | Vial MeOH preserved split              | C      | NA         |          | 3.9        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-03Y  | Vial Water preserved split             | B      | NA         |          | 4.6        | Y    | Absent | 10-JUN-22 15:37  | NYTCL-8260HLW(14)  |
| L2230540-03Y1 | Vial Water preserved split             | B      | NA         |          | 4.6        | Y    | Absent | 10-JUN-22 15:37  | NYTCL-8260HLW(14)  |
| L2230540-03Y2 | Vial Water preserved split             | C      | NA         |          | 3.9        | Y    | Absent | 10-JUN-22 15:37  | NYTCL-8260HLW(14)  |
| L2230540-03Z  | Vial Water preserved split             | B      | NA         |          | 4.6        | Y    | Absent | 10-JUN-22 15:37  | NYTCL-8260HLW(14)  |
| L2230540-03Z1 | Vial Water preserved split             | B      | NA         |          | 4.6        | Y    | Absent | 10-JUN-22 15:37  | NYTCL-8260HLW(14)  |
| L2230540-03Z2 | Vial Water preserved split             | C      | NA         |          | 3.9        | Y    | Absent | 10-JUN-22 15:37  | NYTCL-8260HLW(14)  |
| L2230540-04A  | 5 gram Encore Sampler                  | B      | NA         |          | 4.6        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-04B  | 5 gram Encore Sampler                  | B      | NA         |          | 4.6        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-04C  | 5 gram Encore Sampler                  | B      | NA         |          | 4.6        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-04D  | Plastic 2oz unpreserved for TS         | B      | NA         |          | 4.6        | Y    | Absent |                  | TS(7)  |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

**Container Information**

| Container ID | Container Type                         | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)  |
|--------------|--|--------|------------|----------|------------|------|--------|------------------|--|
| L2230540-04E | Metals Only-Glass 60mL/2oz unpreserved | B      | NA         |          | 4.6        | Y    | Absent |                  | BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MG-TI(180),HG-T(28),MN-TI(180),FE-TI(180),K-TI(180),CA-TI(180),NA-TI(180),CD-TI(180) |
| L2230540-04F | Glass 120ml/4oz unpreserved            | B      | NA         |          | 4.6        | Y    | Absent |                  | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2230540-04G | Glass 500ml/16oz unpreserved           | B      | NA         |          | 4.6        | Y    | Absent |                  | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2230540-04X | Vial MeOH preserved split              | B      | NA         |          | 4.6        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-04Y | Vial Water preserved split             | B      | NA         |          | 4.6        | Y    | Absent | 10-JUN-22 15:37  | NYTCL-8260HLW(14)  |
| L2230540-04Z | Vial Water preserved split             | B      | NA         |          | 4.6        | Y    | Absent | 10-JUN-22 15:37  | NYTCL-8260HLW(14)  |
| L2230540-05A | 5 gram Encore Sampler                  | B      | NA         |          | 4.6        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-05B | 5 gram Encore Sampler                  | B      | NA         |          | 4.6        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-05C | 5 gram Encore Sampler                  | B      | NA         |          | 4.6        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-05D | Plastic 2oz unpreserved for TS         | B      | NA         |          | 4.6        | Y    | Absent |                  | TS(7)  |
| L2230540-05E | Metals Only-Glass 60mL/2oz unpreserved | B      | NA         |          | 4.6        | Y    | Absent |                  | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),CO-TI(180),V-TI(180),HG-T(28),FE-TI(180),MN-TI(180),MG-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L2230540-05F | Glass 120ml/4oz unpreserved            | B      | NA         |          | 4.6        | Y    | Absent |                  | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365),HERB-8151(14),HEXCR-7196(30)  |
| L2230540-05G | Glass 500ml/16oz unpreserved           | B      | NA         |          | 4.6        | Y    | Absent |                  | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365),HERB-8151(14),HEXCR-7196(30)  |
| L2230540-05X | Vial MeOH preserved split              | B      | NA         |          | 4.6        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-05Y | Vial Water preserved split             | B      | NA         |          | 4.6        | Y    | Absent | 10-JUN-22 15:37  | NYTCL-8260HLW(14)  |
| L2230540-05Z | Vial Water preserved split             | B      | NA         |          | 4.6        | Y    | Absent | 10-JUN-22 15:37  | NYTCL-8260HLW(14)  |
| L2230540-06A | 5 gram Encore Sampler                  | C      | NA         |          | 3.9        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-06B | 5 gram Encore Sampler                  | C      | NA         |          | 3.9        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-06C | 5 gram Encore Sampler                  | C      | NA         |          | 3.9        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-06D | Plastic 2oz unpreserved for TS         | C      | NA         |          | 3.9        | Y    | Absent |                  | TS(7)  |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2230540

Project Number: 3883.0001Y000

Report Date: 06/23/22

**Container Information**

| Container ID | Container Type                         | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)  |
|--------------|--|--------|------------|----------|------------|------|--------|------------------|--|
| L2230540-06E | Metals Only-Glass 60mL/2oz unpreserved | C      | NA         |          | 3.9        | Y    | Absent |                  | BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180) |
| L2230540-06F | Glass 120ml/4oz unpreserved            | C      | NA         |          | 3.9        | Y    | Absent |                  | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2230540-06G | Glass 500ml/16oz unpreserved           | C      | NA         |          | 3.9        | Y    | Absent |                  | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2230540-06X | Vial MeOH preserved split              | C      | NA         |          | 3.9        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-06Y | Vial Water preserved split             | C      | NA         |          | 3.9        | Y    | Absent | 10-JUN-22 15:37  | NYTCL-8260HLW(14)  |
| L2230540-06Z | Vial Water preserved split             | C      | NA         |          | 3.9        | Y    | Absent | 10-JUN-22 15:37  | NYTCL-8260HLW(14)  |
| L2230540-07A | 5 gram Encore Sampler                  | C      | NA         |          | 3.9        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-07B | 5 gram Encore Sampler                  | C      | NA         |          | 3.9        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-07C | 5 gram Encore Sampler                  | C      | NA         |          | 3.9        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-07D | Plastic 2oz unpreserved for TS         | C      | NA         |          | 3.9        | Y    | Absent |                  | TS(7)  |
| L2230540-07E | Metals Only-Glass 60mL/2oz unpreserved | C      | NA         |          | 3.9        | Y    | Absent |                  | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),SE-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L2230540-07F | Glass 120ml/4oz unpreserved            | C      | NA         |          | 3.9        | Y    | Absent |                  | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2230540-07G | Glass 500ml/16oz unpreserved           | C      | NA         |          | 3.9        | Y    | Absent |                  | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2230540-07X | Vial MeOH preserved split              | C      | NA         |          | 3.9        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-07Y | Vial Water preserved split             | C      | NA         |          | 3.9        | Y    | Absent | 10-JUN-22 15:37  | NYTCL-8260HLW(14)  |
| L2230540-07Z | Vial Water preserved split             | C      | NA         |          | 3.9        | Y    | Absent | 10-JUN-22 15:37  | NYTCL-8260HLW(14)  |
| L2230540-08A | 5 gram Encore Sampler                  | C      | NA         |          | 3.9        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-08B | 5 gram Encore Sampler                  | C      | NA         |          | 3.9        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-08C | 5 gram Encore Sampler                  | C      | NA         |          | 3.9        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-08D | Plastic 2oz unpreserved for TS         | C      | NA         |          | 3.9        | Y    | Absent |                  | TS(7)  |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Serial\_No:**06232221:07  
**Lab Number:** L2230540  
**Report Date:** 06/23/22

**Container Information**

| Container ID | Container Type                         | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)  |
|--------------|--|--------|------------|----------|------------|------|--------|------------------|--|
| L2230540-08E | Metals Only-Glass 60mL/2oz unpreserved | C      | NA         |          | 3.9        | Y    | Absent |                  | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),AL-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),HG-T(28),FE-TI(180),MN-TI(180),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180) |
| L2230540-08F | Glass 120ml/4oz unpreserved            | C      | NA         |          | 3.9        | Y    | Absent |                  | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2230540-08G | Glass 500ml/16oz unpreserved           | C      | NA         |          | 3.9        | Y    | Absent |                  | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2230540-08X | Vial MeOH preserved split              | C      | NA         |          | 3.9        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-08Y | Vial Water preserved split             | C      | NA         |          | 3.9        | Y    | Absent | 10-JUN-22 15:37  | NYTCL-8260HLW(14)  |
| L2230540-08Z | Vial Water preserved split             | C      | NA         |          | 3.9        | Y    | Absent | 10-JUN-22 15:37  | NYTCL-8260HLW(14)  |
| L2230540-09A | 5 gram Encore Sampler                  | C      | NA         |          | 3.9        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-09B | 5 gram Encore Sampler                  | C      | NA         |          | 3.9        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-09C | 5 gram Encore Sampler                  | C      | NA         |          | 3.9        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-09D | Plastic 2oz unpreserved for TS         | C      | NA         |          | 3.9        | Y    | Absent |                  | TS(7)  |
| L2230540-09E | Metals Only-Glass 60mL/2oz unpreserved | C      | NA         |          | 3.9        | Y    | Absent |                  | BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),ZN-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180) |
| L2230540-09F | Glass 120ml/4oz unpreserved            | C      | NA         |          | 3.9        | Y    | Absent |                  | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365),HERB-8151(14),HEXCR-7196(30)  |
| L2230540-09G | Glass 500ml/16oz unpreserved           | C      | NA         |          | 3.9        | Y    | Absent |                  | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365),HERB-8151(14),HEXCR-7196(30)  |
| L2230540-09X | Vial MeOH preserved split              | C      | NA         |          | 3.9        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2230540-09Y | Vial Water preserved split             | C      | NA         |          | 3.9        | Y    | Absent | 10-JUN-22 15:37  | NYTCL-8260HLW(14)  |
| L2230540-09Z | Vial Water preserved split             | C      | NA         |          | 3.9        | Y    | Absent | 10-JUN-22 15:37  | NYTCL-8260HLW(14)  |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2230540  
**Report Date:** 06/23/22

## GLOSSARY

### Acronyms

|          |  |
|----------|--|
| DL       | - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  |
| EDL      | - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).   |
| EMPC     | - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.   |
| EPA      | - Environmental Protection Agency.   |
| LCS      | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.  |
| LCSD     | - Laboratory Control Sample Duplicate: Refer to LCS.   |
| LFB      | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.   |
| LOD      | - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)   |
| LOQ      | - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)<br><br>Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) |
| MDL      | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.  |
| MS       | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.  |
| MSD      | - Matrix Spike Sample Duplicate: Refer to MS.  |
| NA       | - Not Applicable.  |
| NC       | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.   |
| NDPA/DPA | - N-Nitrosodiphenylamine/Diphenylamine.  |
| NI       | - Not Ignitable.   |
| NP       | - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.  |
| NR       | - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.  |
| RL       | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.   |
| RPD      | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.  |
| SRM      | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.   |
| STLP     | - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.  |
| TEF      | - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.   |
| TEQ      | - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.  |
| TIC      | - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.  |

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### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Chlordane:** The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Gasoline Range Organics (GRO):** Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

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#### **Data Qualifiers**

Identified Compounds (TICs).

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

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## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

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The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 625/625.1:** alpha-Terpineol

**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**Biological Tissue Matrix:** EPA 3050B

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The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LCHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

**SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

**EPA 522, EPA 537.1.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.


**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1 Hg.**

**SM2340B**

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For a complete listing of analytes and methods, please contact your Alpha Project Manager.

| <br><b>NEW YORK CHAIN OF CUSTODY</b>   | <b>Service Centers</b><br>Mahwah, NJ 07430: 35 Whitney Rd, Suite 5<br>Albany, NY 12205: 14 Walker Way<br>Tonawanda, NY 14150: 275 Cooper Ave, Suite 105 |  | Page 1<br>of 1   |   | Date Rec'd in Lab <b>6/9/22</b>  |   | ALPHA Job #<br><b>L2230540</b>   |  |   |                        |                           |                      |                      |                       |                     |                    |                       |                              |                          |               |                    |                    |                        |                           |                      |                      |                       |                     |                    |                       |                         |                          |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |                              |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |            |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |
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|  | Westborough, MA 01581<br>8 Walkup Dr.<br>TEL: 508-898-9220<br>FAX: 508-898-9193   |  | Mansfield, MA 02048<br>320 Forbes Blvd<br>TEL: 508-822-9300<br>FAX: 508-822-3288 |   | <b>Project Information</b><br>Project Name: <b>40-40 Northern Blvd</b><br>Project Location: <b>40-40 Northern Blvd</b><br>Project # <b>3883.0001Y00D</b> |   | <b>Deliverables</b><br><input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B<br><input type="checkbox"/> EQuIS (1 File) <input type="checkbox"/> EQuIS (4 File)<br><input type="checkbox"/> Other |  | <b>Billing Information</b><br><input checked="" type="checkbox"/> Same as Client Info<br>PO # |                        |                           |                      |                      |                       |                     |                    |                       |                              |                          |               |                    |                    |                        |                           |                      |                      |                       |                     |                    |                       |                         |                          |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |                              |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |            |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |
| <b>Client Information</b><br>Client: <b>Roux</b><br>Address: <b>209 Snatter St<br/>Islandia, NY 11749</b><br>Phone: <b>631-232-2600</b><br>Fax:<br>Email: <b>ebutler@rouxinc.com</b>   |   | (Use Project name as Project #) <input type="checkbox"/><br>Project Manager: <b>Emily Butler</b><br>ALPHAQuote #:<br>Turn-Around Time<br>Standard <input checked="" type="checkbox"/> Due Date:<br>Rush (only if pre approved) <input type="checkbox"/> # of Days:     |  | <b>Regulatory Requirement</b><br><input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375<br><input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51<br><input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other<br><input type="checkbox"/> NY Unrestricted Use<br><input type="checkbox"/> NYC Sewer Discharge |  | <b>Disposal Site Information</b><br>Please identify below location of applicable disposal facilities.<br>Disposal Facility:<br><input type="checkbox"/> NJ <input type="checkbox"/> NY<br><input type="checkbox"/> Other: |  |  |   |                        |                           |                      |                      |                       |                     |                    |                       |                              |                          |               |                    |                    |                        |                           |                      |                      |                       |                     |                    |                       |                         |                          |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |                              |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |            |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |
| These samples have been previously analyzed by Alpha <input type="checkbox"/><br>Other project specific requirements/comments:<br><div style="border: 1px solid black; padding: 5px; margin: 5px 0;">                     Cat B Deliverables                 </div> Please specify Metals or TAL.  |   | <b>ANALYSIS</b><br>TCL VOCs EPA 8260C<br>NY TEL SVOCs EPA 8270D<br>Metals EPA 8151A Low List<br>TCL Resid EPA 8081 D<br>Total Solids SM 8540<br>Total Cyanide SM 4500<br>Hex Chrom EPA 719.6<br>TCL PCBs EPA 8082A<br>TAL Metals Total Gold<br>Total Mercury EPA 1471B |  | <b>Sample Filtration</b><br><input type="checkbox"/> Done<br><input type="checkbox"/> Lab to do<br><b>Preservation</b><br><input type="checkbox"/> Lab to do<br>(Please Specify below)  |  | Total Bottles   |  |  |   |                        |                           |                      |                      |                       |                     |                    |                       |                              |                          |               |                    |                    |                        |                           |                      |                      |                       |                     |                    |                       |                         |                          |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |                              |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |            |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">ALPHA Lab ID (Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="2">Collection</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">Sampler's Initials</th> <th rowspan="2">TCL VOCs EPA 8260C</th> <th rowspan="2">NY TEL SVOCs EPA 8270D</th> <th rowspan="2">Metals EPA 8151A Low List</th> <th rowspan="2">TCL Resid EPA 8081 D</th> <th rowspan="2">Total Solids SM 8540</th> <th rowspan="2">Total Cyanide SM 4500</th> <th rowspan="2">Hex Chrom EPA 719.6</th> <th rowspan="2">TCL PCBs EPA 8082A</th> <th rowspan="2">TAL Metals Total Gold</th> <th rowspan="2">Total Mercury EPA 1471B</th> <th rowspan="2">Sample Specific Comments</th> </tr> <tr> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>30540 -01</td> <td>SB019 (0-2)</td> <td>6/9/22</td> <td>0900</td> <td>S</td> <td>WJ</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>-02</td> <td>SB019 (2-4)</td> <td></td> <td>0910</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>-03</td> <td>SB018 (0-2)</td> <td></td> <td>1010</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>Triplicate volume for MS/MSD</td> </tr> <tr> <td>-04</td> <td>SB018 (2-4)</td> <td></td> <td>1020</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>-05</td> <td>SB020 (0-2)</td> <td></td> <td>1200</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>-06</td> <td>SB020 (2-4)</td> <td></td> <td>1210</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>-07</td> <td>DUP-060922</td> <td></td> <td>1100</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>-08</td> <td>SB021 (0-2)</td> <td></td> <td>1400</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>-09</td> <td>SB021 (2-4)</td> <td></td> <td>1410</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> </tbody> </table> |   | ALPHA Lab ID (Lab Use Only)  | Sample ID  | Collection  |  |   | Sample Matrix  | Sampler's Initials   | TCL VOCs EPA 8260C  | NY TEL SVOCs EPA 8270D | Metals EPA 8151A Low List | TCL Resid EPA 8081 D | Total Solids SM 8540 | Total Cyanide SM 4500 | Hex Chrom EPA 719.6 | TCL PCBs EPA 8082A | TAL Metals Total Gold | Total Mercury EPA 1471B      | Sample Specific Comments | Date          | Time               | 30540 -01          | SB019 (0-2)            | 6/9/22                    | 0900                 | S                    | WJ                    | X                   | X                  | X                     | X                       | X                        | X | X | X | X | X | X |  | -02 | SB019 (2-4) |  | 0910 |  |  | X | X | X | X | X | X | X | X | X | X | X |  | -03 | SB018 (0-2) |  | 1010 |  |  | X | X | X | X | X | X | X | X | X | X | X | Triplicate volume for MS/MSD | -04 | SB018 (2-4) |  | 1020 |  |  | X | X | X | X | X | X | X | X | X | X | X |  | -05 | SB020 (0-2) |  | 1200 |  |  | X | X | X | X | X | X | X | X | X | X | X |  | -06 | SB020 (2-4) |  | 1210 |  |  | X | X | X | X | X | X | X | X | X | X | X |  | -07 | DUP-060922 |  | 1100 |  |  | X | X | X | X | X | X | X | X | X | X | X |  | -08 | SB021 (0-2) |  | 1400 |  |  | X | X | X | X | X | X | X | X | X | X | X |  | -09 | SB021 (2-4) |  | 1410 |  |  | X | X | X | X | X | X | X | X | X | X | X |  |
| ALPHA Lab ID (Lab Use Only)  | Sample ID   |  |  | Collection  |  |   |  |  |   |                        |                           |                      |                      |                       |                     |                    |                       |                              |                          | Sample Matrix | Sampler's Initials | TCL VOCs EPA 8260C | NY TEL SVOCs EPA 8270D | Metals EPA 8151A Low List | TCL Resid EPA 8081 D | Total Solids SM 8540 | Total Cyanide SM 4500 | Hex Chrom EPA 719.6 | TCL PCBs EPA 8082A | TAL Metals Total Gold | Total Mercury EPA 1471B | Sample Specific Comments |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |                              |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |            |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |
|  |   | Date   | Time   |   |  |   |  |  |   |                        |                           |                      |                      |                       |                     |                    |                       |                              |                          |               |                    |                    |                        |                           |                      |                      |                       |                     |                    |                       |                         |                          |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |                              |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |            |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |
| 30540 -01  | SB019 (0-2)   | 6/9/22   | 0900   | S   | WJ   |   | X  | X  | X   | X                      | X                         | X                    | X                    | X                     | X                   | X                  | X                     |                              |                          |               |                    |                    |                        |                           |                      |                      |                       |                     |                    |                       |                         |                          |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |                              |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |            |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |
| -02  | SB019 (2-4)   |  | 0910   |   |  |   | X  | X  | X   | X                      | X                         | X                    | X                    | X                     | X                   | X                  | X                     |                              |                          |               |                    |                    |                        |                           |                      |                      |                       |                     |                    |                       |                         |                          |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |                              |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |            |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |
| -03  | SB018 (0-2)   |  | 1010   |   |  |   | X  | X  | X   | X                      | X                         | X                    | X                    | X                     | X                   | X                  | X                     | Triplicate volume for MS/MSD |                          |               |                    |                    |                        |                           |                      |                      |                       |                     |                    |                       |                         |                          |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |                              |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |            |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |
| -04  | SB018 (2-4)   |  | 1020   |   |  |   | X  | X  | X   | X                      | X                         | X                    | X                    | X                     | X                   | X                  | X                     |                              |                          |               |                    |                    |                        |                           |                      |                      |                       |                     |                    |                       |                         |                          |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |                              |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |            |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |
| -05  | SB020 (0-2)   |  | 1200   |   |  |   | X  | X  | X   | X                      | X                         | X                    | X                    | X                     | X                   | X                  | X                     |                              |                          |               |                    |                    |                        |                           |                      |                      |                       |                     |                    |                       |                         |                          |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |                              |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |            |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |
| -06  | SB020 (2-4)   |  | 1210   |   |  |   | X  | X  | X   | X                      | X                         | X                    | X                    | X                     | X                   | X                  | X                     |                              |                          |               |                    |                    |                        |                           |                      |                      |                       |                     |                    |                       |                         |                          |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |                              |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |            |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |
| -07  | DUP-060922  |  | 1100   |   |  | X   | X  | X  | X   | X                      | X                         | X                    | X                    | X                     | X                   | X                  |                       |                              |                          |               |                    |                    |                        |                           |                      |                      |                       |                     |                    |                       |                         |                          |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |                              |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |            |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |
| -08  | SB021 (0-2)   |  | 1400   |   |  | X   | X  | X  | X   | X                      | X                         | X                    | X                    | X                     | X                   | X                  |                       |                              |                          |               |                    |                    |                        |                           |                      |                      |                       |                     |                    |                       |                         |                          |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |                              |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |            |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |
| -09  | SB021 (2-4)   |  | 1410   |   |  | X   | X  | X  | X   | X                      | X                         | X                    | X                    | X                     | X                   | X                  |                       |                              |                          |               |                    |                    |                        |                           |                      |                      |                       |                     |                    |                       |                         |                          |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |                              |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |            |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |
| Preservative Code:<br>A = None<br>B = HCl<br>C = HNO <sub>3</sub><br>D = H <sub>2</sub> SO <sub>4</sub><br>E = NaOH<br>F = MeOH<br>G = NaHSO <sub>4</sub><br>H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub><br>K/E = Zn Ac/NaOH<br>O = Other  |   | Container Code:<br>P = Plastic<br>A = Amber Glass<br>V = Vial<br>G = Glass<br>B = Bacteria Cup<br>C = Cube<br>O = Other<br>E = Encore<br>D = BOD Bottle  |  | Westboro: Certification No: MA935<br>Mansfield: Certification No: MA015   |  | Container Type: <b>E   A A P A A A A A</b><br>Preservative: <b>A A A A A A A A</b>  |  | Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.) |   |                        |                           |                      |                      |                       |                     |                    |                       |                              |                          |               |                    |                    |                        |                           |                      |                      |                       |                     |                    |                       |                         |                          |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |                              |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |            |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |
| Form No: 01-25 HC (rev. 30-Sept-2013)  |   | Relinquished By:<br>Lauren Jenkins <i>[Signature]</i>  |  | Date/Time:<br>6/9/22 1500   |  | Received By:<br>Dan Gunn <i>[Signature]</i>   |  | Date/Time:<br>6/9/22 15:00<br>6/9/22 1930<br>6/9/22 21:30<br>6/9/22 2350   |   |                        |                           |                      |                      |                       |                     |                    |                       |                              |                          |               |                    |                    |                        |                           |                      |                      |                       |                     |                    |                       |                         |                          |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |                              |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |            |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |     |             |  |      |  |  |   |   |   |   |   |   |   |   |   |   |   |  |



## ANALYTICAL REPORT

|                 |  |
|-----------------|--|
| Lab Number:     | L2231034   |
| Client:         | Roux Env. Eng. & Geology, DPC<br>209 Shafter Street<br>Islandia, NY 11749-5074 |
| ATTN:           | Emily Butler   |
| Phone:          | (631) 630-2432   |
| Project Name:   | 40-40 NORTHERN BLVD  |
| Project Number: | 3883.0001Y000  |
| Report Date:    | 06/27/22   |

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

| <b>Alpha<br/>Sample ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Sample<br/>Location</b> | <b>Collection<br/>Date/Time</b> | <b>Receive Date</b> |
|----------------------------|------------------|---------------|----------------------------|---------------------------------|---------------------|
| L2231034-01                | FB_061022P       | WATER         | 40-40 NORTHERN BLVD        | 06/10/22 09:05                  | 06/10/22            |
| L2231034-02                | SB017 (0-2)P     | SOIL          | 40-40 NORTHERN BLVD        | 06/10/22 09:25                  | 06/10/22            |
| L2231034-03                | SB017 (2-4)P     | SOIL          | 40-40 NORTHERN BLVD        | 06/10/22 09:35                  | 06/10/22            |
| L2231034-04                | SB016 (0-2)P     | SOIL          | 40-40 NORTHERN BLVD        | 06/10/22 10:05                  | 06/10/22            |
| L2231034-05                | SB016 (2-4)P     | SOIL          | 40-40 NORTHERN BLVD        | 06/10/22 10:15                  | 06/10/22            |
| L2231034-06                | SB012 (0-2)P     | SOIL          | 40-40 NORTHERN BLVD        | 06/10/22 11:35                  | 06/10/22            |
| L2231034-07                | DUP_061022P      | SOIL          | 40-40 NORTHERN BLVD        | 06/10/22 12:05                  | 06/10/22            |
| L2231034-08                | SB012 (12-14)P   | SOIL          | 40-40 NORTHERN BLVD        | 06/10/22 12:35                  | 06/10/22            |
| L2231034-09                | SB012 (15-17)P   | SOIL          | 40-40 NORTHERN BLVD        | 06/10/22 12:45                  | 06/10/22            |
| L2231034-10                | SB013 (0-2)P     | SOIL          | 40-40 NORTHERN BLVD        | 06/10/22 14:15                  | 06/10/22            |
| L2231034-11                | SB013 (6-8)P     | SOIL          | 40-40 NORTHERN BLVD        | 06/10/22 14:45                  | 06/10/22            |
| L2231034-12                | SB013 (10-12)P   | SOIL          | 40-40 NORTHERN BLVD        | 06/10/22 14:55                  | 06/10/22            |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

**HOLD POLICY** - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

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**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

### Case Narrative (continued)

#### Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Perfluorinated Alkyl Acids by Isotope Dilution

L2231034-02, -03, -04, -05, -06, -07, -08, -09, -11, and -12: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L2231034-06, -07, and -08: The MeOH fraction of the extraction is reported for perfluorooctanesulfonamide (fosa) due to better extraction efficiency of the perfluoro[13c8]octanesulfonamide (m8fosa) Extracted Internal Standard.

WG1652722-1, WG1652722-2, WG1652722-3, and WG1652722-4: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

WG1652722-1: The Extracted Internal Standard recovery for the Method Blank, associated with L2231034-02 through -12, is below the acceptance criteria for perfluoro[13c8]octanesulfonamide (m8fosa) (less than 10%); however, the method blank is non-detect for all associated target analytes; therefore, no further action was taken.

WG1652722-2: The Extracted Internal Standard recovery for the LCS, associated with L2231034-02 through -12, is below the acceptance criteria (less than 10%) for perfluoro[13c8]octanesulfonamide (m8fosa) (7%); however, all associated target analytes are within LCS criteria; therefore, no further action was taken.

The WG1652722-2 LCS recovery, associated with L2231034-02 through -12, is above the acceptance criteria for and perfluorotridecanoic acid (pfrda) (142%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported.

The WG1652722-3 MS recoveries, performed on L2231034-04, are outside the acceptance criteria for perfluorononanesulfonic acid (pfns) (130%), perfluorodecanesulfonic acid (pfd) (137%) and perfluorotetradecanoic acid (pfta) (145%).

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Alycia Mogayzel

Title: Technical Director/Representative

Date: 06/27/22

# ORGANICS

# SEMIVOLATILES

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231034-01  
**Client ID:** FB\_061022P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 09:05  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 06/21/22 01:03  
**Analyst:** SG

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 06/14/22 03:41

| Parameter   | Result | Qualifier | Units | RL   | MDL   | Dilution Factor |
|---|--------|-----------|-------|------|-------|-----------------|
| <b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b> |        |           |       |      |       |                 |
| Perfluorobutanoic Acid (PFBA)   | ND     |           | ng/l  | 1.81 | 0.370 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                       | ND     |           | ng/l  | 1.81 | 0.359 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                                   | ND     |           | ng/l  | 1.81 | 0.216 | 1               |
| Perfluorohexanoic Acid (PFHxA)  | ND     |           | ng/l  | 1.81 | 0.298 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                       | ND     |           | ng/l  | 1.81 | 0.204 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                                  | ND     |           | ng/l  | 1.81 | 0.341 | 1               |
| Perfluorooctanoic Acid (PFOA)   | ND     |           | ng/l  | 1.81 | 0.214 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                     | ND     |           | ng/l  | 1.81 | 1.21  | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                                 | ND     |           | ng/l  | 1.81 | 0.624 | 1               |
| Perfluorononanoic Acid (PFNA)   | ND     |           | ng/l  | 1.81 | 0.283 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                                   | ND     |           | ng/l  | 1.81 | 0.457 | 1               |
| Perfluorodecanoic Acid (PFDA)   | ND     |           | ng/l  | 1.81 | 0.276 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                     | ND     |           | ng/l  | 1.81 | 1.10  | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)             | ND     |           | ng/l  | 1.81 | 0.588 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                                      | ND     |           | ng/l  | 1.81 | 0.236 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                                   | ND     |           | ng/l  | 1.81 | 0.889 | 1               |
| Perfluorooctanesulfonamide (FOSA)                                     | ND     |           | ng/l  | 1.81 | 0.526 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)              | ND     |           | ng/l  | 1.81 | 0.729 | 1               |
| Perfluorododecanoic Acid (PFDoA)                                      | ND     |           | ng/l  | 1.81 | 0.337 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                                    | ND     |           | ng/l  | 1.81 | 0.297 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                                    | ND     |           | ng/l  | 1.81 | 0.225 | 1               |
| PFOA/PFOS, Total  | ND     |           | ng/l  | 1.81 | 0.214 | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231034-01  
 Client ID: FB\_061022P  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 09:05  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|----|-----|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |    |     |                 |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|--|------------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 95         |           | 58-132              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 105        |           | 62-163              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 100        |           | 70-131              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 95         |           | 57-129              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 98         |           | 60-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 100        |           | 71-134              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 93         |           | 62-129              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 68         |           | 14-147              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 97         |           | 59-139              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 90         |           | 69-131              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 90         |           | 62-124              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 79         |           | 10-162              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 68         |           | 24-116              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 96         |           | 55-137              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 52         |           | 10-112              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 77         |           | 27-126              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 94         |           | 48-131              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 77         |           | 22-136              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231034-02  
**Client ID:** SB017 (0-2)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 09:25  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 06/24/22 03:00  
**Analyst:** MP  
**Percent Solids:** 94%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 06/20/22 07:45

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| <b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b> |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)   | ND     |           | ng/g  | 0.510 | 0.023 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                       | ND     |           | ng/g  | 0.510 | 0.047 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                                   | ND     |           | ng/g  | 0.255 | 0.040 | 1               |
| Perfluorohexanoic Acid (PFHxA)  | ND     |           | ng/g  | 0.510 | 0.054 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                       | ND     |           | ng/g  | 0.255 | 0.046 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                                  | ND     |           | ng/g  | 0.255 | 0.062 | 1               |
| Perfluorooctanoic Acid (PFOA)   | 0.046  | J         | ng/g  | 0.255 | 0.043 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                     | ND     |           | ng/g  | 0.510 | 0.183 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                                 | ND     |           | ng/g  | 0.510 | 0.139 | 1               |
| Perfluorononanoic Acid (PFNA)   | ND     |           | ng/g  | 0.255 | 0.077 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                                   | ND     |           | ng/g  | 0.255 | 0.132 | 1               |
| Perfluorodecanoic Acid (PFDA)   | ND     |           | ng/g  | 0.255 | 0.068 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                     | ND     |           | ng/g  | 0.510 | 0.293 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)             | ND     |           | ng/g  | 0.510 | 0.206 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                                      | ND     |           | ng/g  | 0.510 | 0.048 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                                   | ND     |           | ng/g  | 0.510 | 0.156 | 1               |
| Perfluorooctanesulfonamide (FOSA)                                     | ND     |           | ng/g  | 0.510 | 0.100 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)              | ND     |           | ng/g  | 0.510 | 0.086 | 1               |
| Perfluorododecanoic Acid (PFDoA)                                      | ND     |           | ng/g  | 0.510 | 0.071 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                                    | ND     |           | ng/g  | 0.510 | 0.208 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                                    | ND     |           | ng/g  | 0.510 | 0.055 | 1               |
| PFOA/PFOS, Total  | 0.046  | J         | ng/g  | 0.255 | 0.043 | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231034-02  
 Client ID: SB017 (0-2)P  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 09:25  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|----|-----|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |    |     |                 |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|--|------------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 49         | Q         | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 51         | Q         | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 59         | Q         | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 50         | Q         | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 52         | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 60         | Q         | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 50         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 32         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 47         | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 59         | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 50         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 28         |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 22         | Q         | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 61         |           | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 61         |           | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 31         | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 60         |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 44         |           | 24-159              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231034-03  
**Client ID:** SB017 (2-4)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 09:35  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 06/24/22 03:16  
**Analyst:** MP  
**Percent Solids:** 90%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 06/20/22 07:45

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| <b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b> |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)   | ND     |           | ng/g  | 0.512 | 0.023 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                       | ND     |           | ng/g  | 0.512 | 0.047 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                                   | ND     |           | ng/g  | 0.256 | 0.040 | 1               |
| Perfluorohexanoic Acid (PFHxA)  | ND     |           | ng/g  | 0.512 | 0.054 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                       | ND     |           | ng/g  | 0.256 | 0.046 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                                  | ND     |           | ng/g  | 0.256 | 0.062 | 1               |
| Perfluorooctanoic Acid (PFOA)   | 0.079  | J         | ng/g  | 0.256 | 0.043 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                     | ND     |           | ng/g  | 0.512 | 0.184 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                                 | ND     |           | ng/g  | 0.512 | 0.140 | 1               |
| Perfluorononanoic Acid (PFNA)   | ND     |           | ng/g  | 0.256 | 0.077 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                                   | ND     |           | ng/g  | 0.256 | 0.133 | 1               |
| Perfluorodecanoic Acid (PFDA)   | ND     |           | ng/g  | 0.256 | 0.069 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                     | ND     |           | ng/g  | 0.512 | 0.294 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)             | ND     |           | ng/g  | 0.512 | 0.206 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                                      | ND     |           | ng/g  | 0.512 | 0.048 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                                   | ND     |           | ng/g  | 0.512 | 0.157 | 1               |
| Perfluorooctanesulfonamide (FOSA)                                     | ND     |           | ng/g  | 0.512 | 0.100 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)              | ND     |           | ng/g  | 0.512 | 0.087 | 1               |
| Perfluorododecanoic Acid (PFDoA)                                      | ND     |           | ng/g  | 0.512 | 0.072 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                                    | ND     |           | ng/g  | 0.512 | 0.209 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                                    | ND     |           | ng/g  | 0.512 | 0.055 | 1               |
| PFOA/PFOS, Total  | 0.079  | J         | ng/g  | 0.256 | 0.043 | 1               |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231034-03  
 Client ID: SB017 (2-4)P  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 09:35  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units      | RL        | MDL | Dilution Factor     |
|--|--------|-----------|------------|-----------|-----|---------------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab         |        |           |            |           |     |                     |
| Surrogate (Extracted Internal Standard)                                |        |           | % Recovery | Qualifier |     | Acceptance Criteria |
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   |        |           | 81         |           |     | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                |        |           | 81         |           |     | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      |        |           | 80         |           |     | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       |        |           | 81         |           |     | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        |        |           | 85         |           |     | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     |        |           | 84         |           |     | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  |        |           | 82         |           |     | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         |        |           | 61         |           |     | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  |        |           | 77         |           |     | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            |        |           | <b>77</b>  | Q         |     | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      |        |           | 80         |           |     | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         |        |           | 62         |           |     | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) |        |           | 35         |           |     | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                |        |           | 106        |           |     | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              |        |           | 18         |           |     | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  |        |           | 51         |           |     | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            |        |           | 100        |           |     | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       |        |           | 67         |           |     | 24-159              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231034-04  
**Client ID:** SB016 (0-2)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 10:05  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 06/24/22 03:33  
**Analyst:** MP  
**Percent Solids:** 93%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 06/20/22 07:45

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| <b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b> |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)   | ND     |           | ng/g  | 0.495 | 0.023 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                       | ND     |           | ng/g  | 0.495 | 0.046 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                                   | ND     |           | ng/g  | 0.247 | 0.039 | 1               |
| Perfluorohexanoic Acid (PFHxA)  | ND     |           | ng/g  | 0.495 | 0.052 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                       | ND     |           | ng/g  | 0.247 | 0.045 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                                  | ND     |           | ng/g  | 0.247 | 0.060 | 1               |
| Perfluorooctanoic Acid (PFOA)   | ND     |           | ng/g  | 0.247 | 0.042 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                     | ND     |           | ng/g  | 0.495 | 0.178 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                                 | ND     |           | ng/g  | 0.495 | 0.135 | 1               |
| Perfluorononanoic Acid (PFNA)   | ND     |           | ng/g  | 0.247 | 0.074 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                                   | ND     |           | ng/g  | 0.247 | 0.129 | 1               |
| Perfluorodecanoic Acid (PFDA)   | ND     |           | ng/g  | 0.247 | 0.066 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                     | ND     |           | ng/g  | 0.495 | 0.284 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)             | ND     |           | ng/g  | 0.495 | 0.199 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                                      | ND     |           | ng/g  | 0.495 | 0.046 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                                   | ND     |           | ng/g  | 0.495 | 0.151 | 1               |
| Perfluorooctanesulfonamide (FOSA)                                     | ND     |           | ng/g  | 0.495 | 0.097 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)              | ND     |           | ng/g  | 0.495 | 0.084 | 1               |
| Perfluorododecanoic Acid (PFDoA)                                      | ND     |           | ng/g  | 0.495 | 0.069 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                                    | ND     |           | ng/g  | 0.495 | 0.202 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                                    | ND     |           | ng/g  | 0.495 | 0.053 | 1               |
| PFOA/PFOS, Total  | ND     |           | ng/g  | 0.247 | 0.042 | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231034-04  
 Client ID: SB016 (0-2)P  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 10:05  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units      | RL        | MDL | Dilution Factor     |
|--|--------|-----------|------------|-----------|-----|---------------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab         |        |           |            |           |     |                     |
| Surrogate (Extracted Internal Standard)                                |        |           | % Recovery | Qualifier |     | Acceptance Criteria |
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   |        |           | 61         |           |     | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                |        |           | 60         |           |     | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      |        |           | <b>66</b>  | Q         |     | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       |        |           | <b>62</b>  | Q         |     | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        |        |           | <b>64</b>  | Q         |     | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     |        |           | <b>72</b>  | Q         |     | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  |        |           | <b>63</b>  | Q         |     | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         |        |           | 39         |           |     | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  |        |           | <b>60</b>  | Q         |     | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            |        |           | <b>68</b>  | Q         |     | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      |        |           | <b>63</b>  | Q         |     | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         |        |           | 37         |           |     | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) |        |           | 32         |           |     | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                |        |           | 82         |           |     | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              |        |           | 74         |           |     | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  |        |           | 43         |           |     | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            |        |           | 81         |           |     | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       |        |           | 56         |           |     | 24-159              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231034-05  
**Client ID:** SB016 (2-4)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 10:15  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 06/24/22 04:23  
**Analyst:** MP  
**Percent Solids:** 84%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 06/20/22 07:45

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| <b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b> |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)   | ND     |           | ng/g  | 0.552 | 0.025 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                       | ND     |           | ng/g  | 0.552 | 0.051 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                                   | ND     |           | ng/g  | 0.276 | 0.043 | 1               |
| Perfluorohexanoic Acid (PFHxA)  | ND     |           | ng/g  | 0.552 | 0.058 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                       | ND     |           | ng/g  | 0.276 | 0.050 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                                  | ND     |           | ng/g  | 0.276 | 0.067 | 1               |
| Perfluorooctanoic Acid (PFOA)   | ND     |           | ng/g  | 0.276 | 0.046 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                     | ND     |           | ng/g  | 0.552 | 0.198 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                                 | ND     |           | ng/g  | 0.552 | 0.151 | 1               |
| Perfluorononanoic Acid (PFNA)   | ND     |           | ng/g  | 0.276 | 0.083 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                                   | ND     |           | ng/g  | 0.276 | 0.144 | 1               |
| Perfluorodecanoic Acid (PFDA)   | ND     |           | ng/g  | 0.276 | 0.074 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                     | ND     |           | ng/g  | 0.552 | 0.317 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)             | ND     |           | ng/g  | 0.552 | 0.223 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                                      | ND     |           | ng/g  | 0.552 | 0.052 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                                   | ND     |           | ng/g  | 0.552 | 0.169 | 1               |
| Perfluorooctanesulfonamide (FOSA)                                     | ND     |           | ng/g  | 0.552 | 0.108 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)              | ND     |           | ng/g  | 0.552 | 0.093 | 1               |
| Perfluorododecanoic Acid (PFDoA)                                      | ND     |           | ng/g  | 0.552 | 0.077 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                                    | ND     |           | ng/g  | 0.552 | 0.226 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                                    | ND     |           | ng/g  | 0.552 | 0.060 | 1               |
| PFOA/PFOS, Total  | ND     |           | ng/g  | 0.276 | 0.046 | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231034-05  
 Client ID: SB016 (2-4)P  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 10:15  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|----|-----|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |    |     |                 |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|--|------------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 70         |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 69         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | <b>68</b>  | Q         | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | <b>64</b>  | Q         | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | <b>63</b>  | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | <b>73</b>  | Q         | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | <b>71</b>  | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 78         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | <b>69</b>  | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | <b>68</b>  | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | <b>69</b>  | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 88         |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 52         |           | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 92         |           | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 10         |           | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 72         |           | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 79         |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 53         |           | 24-159              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231034-06  
**Client ID:** SB012 (0-2)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 11:35  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 06/24/22 04:39  
**Analyst:** MP  
**Percent Solids:** 96%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 06/20/22 07:45

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| <b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b> |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)   | ND     |           | ng/g  | 0.498 | 0.023 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                       | ND     |           | ng/g  | 0.498 | 0.046 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                                   | ND     |           | ng/g  | 0.249 | 0.039 | 1               |
| Perfluorohexanoic Acid (PFHxA)  | ND     |           | ng/g  | 0.498 | 0.052 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                       | ND     |           | ng/g  | 0.249 | 0.045 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                                  | ND     |           | ng/g  | 0.249 | 0.060 | 1               |
| Perfluorooctanoic Acid (PFOA)   | 0.088  | J         | ng/g  | 0.249 | 0.042 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                     | ND     |           | ng/g  | 0.498 | 0.179 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                                 | ND     |           | ng/g  | 0.498 | 0.136 | 1               |
| Perfluorononanoic Acid (PFNA)   | ND     |           | ng/g  | 0.249 | 0.075 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                                   | 2.13   | F         | ng/g  | 0.249 | 0.129 | 1               |
| Perfluorodecanoic Acid (PFDA)   | ND     |           | ng/g  | 0.249 | 0.067 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                     | ND     |           | ng/g  | 0.498 | 0.286 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)             | ND     |           | ng/g  | 0.498 | 0.200 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                                      | ND     |           | ng/g  | 0.498 | 0.047 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                                   | ND     |           | ng/g  | 0.498 | 0.152 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)              | ND     |           | ng/g  | 0.498 | 0.084 | 1               |
| Perfluorododecanoic Acid (PFDoA)                                      | ND     |           | ng/g  | 0.498 | 0.070 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                                    | ND     |           | ng/g  | 0.498 | 0.204 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                                    | ND     |           | ng/g  | 0.498 | 0.054 | 1               |
| PFOA/PFOS, Total  | 2.22   | J         | ng/g  | 0.249 | 0.042 | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231034-06  
 Client ID: SB012 (0-2)P  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 11:35  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|----|-----|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |    |     |                 |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|--|------------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 74         |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 71         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 76         |           | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 72         |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 76         |           | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 81         |           | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 75         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 58         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | <b>70</b>  | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | <b>73</b>  | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | <b>72</b>  | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 55         |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 43         |           | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 93         |           | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 59         |           | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 87         |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 53         |           | 24-159              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231034-06  
 Client ID: SB012 (0-2)P  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 11:35  
 Date Received: 06/10/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 06/24/22 18:28  
 Analyst: RS  
 Percent Solids: 96%

Extraction Method: ALPHA 23528  
 Extraction Date: 06/20/22 07:45

| Parameter   | Result | Qualifier | Units             | RL               | MDL                        | Dilution Factor |
|---|--------|-----------|-------------------|------------------|----------------------------|-----------------|
| <b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b> |        |           |                   |                  |                            |                 |
| Perfluorooctanesulfonamide (FOSA)                                     | ND     |           | ng/g              | 0.498            | 0.098                      | 1               |
| <b>Surrogate (Extracted Internal Standard)</b>                        |        |           | <b>% Recovery</b> | <b>Qualifier</b> | <b>Acceptance Criteria</b> |                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                             |        |           | 112               |                  | 10-117                     |                 |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231034-07  
**Client ID:** DUP\_061022P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 12:05  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 06/24/22 04:56  
**Analyst:** MP  
**Percent Solids:** 88%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 06/20/22 07:45

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| <b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b> |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)   | ND     |           | ng/g  | 0.546 | 0.025 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                       | ND     |           | ng/g  | 0.546 | 0.050 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                                   | ND     |           | ng/g  | 0.273 | 0.043 | 1               |
| Perfluorohexanoic Acid (PFHxA)  | ND     |           | ng/g  | 0.546 | 0.057 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                       | ND     |           | ng/g  | 0.273 | 0.049 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                                  | ND     |           | ng/g  | 0.273 | 0.066 | 1               |
| Perfluorooctanoic Acid (PFOA)   | 1.00   |           | ng/g  | 0.273 | 0.046 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                     | ND     |           | ng/g  | 0.546 | 0.196 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                                 | ND     |           | ng/g  | 0.546 | 0.149 | 1               |
| Perfluorononanoic Acid (PFNA)   | ND     |           | ng/g  | 0.273 | 0.082 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                                   | ND     |           | ng/g  | 0.273 | 0.142 | 1               |
| Perfluorodecanoic Acid (PFDA)   | ND     |           | ng/g  | 0.273 | 0.073 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                     | ND     |           | ng/g  | 0.546 | 0.313 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)             | ND     |           | ng/g  | 0.546 | 0.220 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                                      | ND     |           | ng/g  | 0.546 | 0.051 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                                   | ND     |           | ng/g  | 0.546 | 0.167 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)              | ND     |           | ng/g  | 0.546 | 0.092 | 1               |
| Perfluorododecanoic Acid (PFDoA)                                      | ND     |           | ng/g  | 0.546 | 0.076 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                                    | ND     |           | ng/g  | 0.546 | 0.223 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                                    | ND     |           | ng/g  | 0.546 | 0.059 | 1               |
| PFOA/PFOS, Total  | 1.00   |           | ng/g  | 0.273 | 0.046 | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231034-07  
 Client ID: DUP\_061022P  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 12:05  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|----|-----|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |    |     |                 |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|--|------------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 66         |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 64         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | <b>68</b>  | Q         | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 66         |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | <b>68</b>  | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | <b>71</b>  | Q         | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | <b>67</b>  | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 50         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | <b>61</b>  | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | <b>63</b>  | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | <b>61</b>  | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 44         |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | <b>17</b>  | Q         | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 70         |           | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | <b>20</b>  | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 68         |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | <b>12</b>  | Q         | 24-159              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231034-07  
 Client ID: DUP\_061022P  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 12:05  
 Date Received: 06/10/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 06/24/22 18:35  
 Analyst: RS  
 Percent Solids: 88%

Extraction Method: ALPHA 23528  
 Extraction Date: 06/20/22 07:45

| Parameter   | Result | Qualifier | Units             | RL               | MDL                        | Dilution Factor |
|---|--------|-----------|-------------------|------------------|----------------------------|-----------------|
| <b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b> |        |           |                   |                  |                            |                 |
| Perfluorooctanesulfonamide (FOSA)                                     | ND     |           | ng/g              | 0.546            | 0.107                      | 1               |
| <b>Surrogate (Extracted Internal Standard)</b>                        |        |           | <b>% Recovery</b> | <b>Qualifier</b> | <b>Acceptance Criteria</b> |                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                             |        |           | 101               |                  | 10-117                     |                 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231034-08  
**Client ID:** SB012 (12-14)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 12:35  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 06/24/22 05:12  
**Analyst:** MP  
**Percent Solids:** 93%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 06/20/22 07:45

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| <b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b> |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)   | ND     |           | ng/g  | 0.499 | 0.023 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                       | ND     |           | ng/g  | 0.499 | 0.046 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                                   | ND     |           | ng/g  | 0.250 | 0.039 | 1               |
| Perfluorohexanoic Acid (PFHxA)  | ND     |           | ng/g  | 0.499 | 0.052 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                       | ND     |           | ng/g  | 0.250 | 0.045 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                                  | ND     |           | ng/g  | 0.250 | 0.060 | 1               |
| Perfluorooctanoic Acid (PFOA)   | 0.225  | J         | ng/g  | 0.250 | 0.042 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                     | ND     |           | ng/g  | 0.499 | 0.179 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                                 | ND     |           | ng/g  | 0.499 | 0.136 | 1               |
| Perfluorononanoic Acid (PFNA)   | ND     |           | ng/g  | 0.250 | 0.075 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                                   | 0.256  |           | ng/g  | 0.250 | 0.130 | 1               |
| Perfluorodecanoic Acid (PFDA)   | ND     |           | ng/g  | 0.250 | 0.067 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                     | ND     |           | ng/g  | 0.499 | 0.286 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)             | ND     |           | ng/g  | 0.499 | 0.201 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                                      | ND     |           | ng/g  | 0.499 | 0.047 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                                   | ND     |           | ng/g  | 0.499 | 0.153 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)              | ND     |           | ng/g  | 0.499 | 0.084 | 1               |
| Perfluorododecanoic Acid (PFDoA)                                      | ND     |           | ng/g  | 0.499 | 0.070 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                                    | ND     |           | ng/g  | 0.499 | 0.204 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                                    | ND     |           | ng/g  | 0.499 | 0.054 | 1               |
| PFOA/PFOS, Total  | 0.481  | J         | ng/g  | 0.250 | 0.042 | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231034-08  
 Client ID: SB012 (12-14)P  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 12:35  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units      | RL        | MDL | Dilution Factor     |
|--|--------|-----------|------------|-----------|-----|---------------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab         |        |           |            |           |     |                     |
| Surrogate (Extracted Internal Standard)                                |        |           | % Recovery | Qualifier |     | Acceptance Criteria |
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   |        |           | 73         |           |     | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                |        |           | 72         |           |     | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      |        |           | 75         |           |     | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       |        |           | 72         |           |     | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        |        |           | 75         |           |     | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     |        |           | 79         |           |     | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  |        |           | <b>74</b>  | Q         |     | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         |        |           | 63         |           |     | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  |        |           | <b>70</b>  | Q         |     | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            |        |           | <b>71</b>  | Q         |     | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      |        |           | <b>72</b>  | Q         |     | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         |        |           | 61         |           |     | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) |        |           | 46         |           |     | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                |        |           | 91         |           |     | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  |        |           | 55         |           |     | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            |        |           | 88         |           |     | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       |        |           | 49         |           |     | 24-159              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231034-08  
 Client ID: SB012 (12-14)P  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 12:35  
 Date Received: 06/10/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 06/24/22 18:43  
 Analyst: RS  
 Percent Solids: 93%

Extraction Method: ALPHA 23528  
 Extraction Date: 06/20/22 07:45

| Parameter   | Result | Qualifier | Units             | RL               | MDL                        | Dilution Factor |
|---|--------|-----------|-------------------|------------------|----------------------------|-----------------|
| <b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b> |        |           |                   |                  |                            |                 |
| Perfluorooctanesulfonamide (FOSA)                                     | ND     |           | ng/g              | 0.499            | 0.098                      | 1               |
| <b>Surrogate (Extracted Internal Standard)</b>                        |        |           | <b>% Recovery</b> | <b>Qualifier</b> | <b>Acceptance Criteria</b> |                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                             |        |           | 107               |                  | 10-117                     |                 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231034-09  
**Client ID:** SB012 (15-17)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 12:45  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 06/24/22 05:29  
**Analyst:** MP  
**Percent Solids:** 95%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 06/20/22 07:45

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| <b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b> |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)   | ND     |           | ng/g  | 0.496 | 0.023 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                       | ND     |           | ng/g  | 0.496 | 0.046 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                                   | ND     |           | ng/g  | 0.248 | 0.039 | 1               |
| Perfluorohexanoic Acid (PFHxA)  | ND     |           | ng/g  | 0.496 | 0.052 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                       | ND     |           | ng/g  | 0.248 | 0.045 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                                  | ND     |           | ng/g  | 0.248 | 0.060 | 1               |
| Perfluorooctanoic Acid (PFOA)   | 0.551  |           | ng/g  | 0.248 | 0.042 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                     | ND     |           | ng/g  | 0.496 | 0.178 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                                 | ND     |           | ng/g  | 0.496 | 0.136 | 1               |
| Perfluorononanoic Acid (PFNA)   | ND     |           | ng/g  | 0.248 | 0.075 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                                   | ND     |           | ng/g  | 0.248 | 0.129 | 1               |
| Perfluorodecanoic Acid (PFDA)   | ND     |           | ng/g  | 0.248 | 0.067 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                     | ND     |           | ng/g  | 0.496 | 0.285 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)             | ND     |           | ng/g  | 0.496 | 0.200 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                                      | ND     |           | ng/g  | 0.496 | 0.047 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                                   | ND     |           | ng/g  | 0.496 | 0.152 | 1               |
| Perfluorooctanesulfonamide (FOSA)                                     | ND     |           | ng/g  | 0.496 | 0.097 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)              | ND     |           | ng/g  | 0.496 | 0.084 | 1               |
| Perfluorododecanoic Acid (PFDoA)                                      | ND     |           | ng/g  | 0.496 | 0.070 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                                    | ND     |           | ng/g  | 0.496 | 0.203 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                                    | ND     |           | ng/g  | 0.496 | 0.054 | 1               |
| PFOA/PFOS, Total  | 0.551  |           | ng/g  | 0.248 | 0.042 | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231034-09  
 Client ID: SB012 (15-17)P  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 12:45  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|----|-----|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |    |     |                 |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|--|------------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 54         | Q         | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 52         | Q         | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 61         | Q         | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 54         | Q         | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 57         | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 63         | Q         | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 58         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 44         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 54         | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 55         | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 54         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 41         |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 23         | Q         | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 67         |           | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 32         |           | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 31         | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 63         |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 19         | Q         | 24-159              |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231034-10  
**Client ID:** SB013 (0-2)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 14:15  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 06/24/22 05:45  
**Analyst:** MP  
**Percent Solids:** 92%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 06/20/22 07:45

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| <b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b> |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)   | ND     |           | ng/g  | 0.520 | 0.024 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                       | ND     |           | ng/g  | 0.520 | 0.048 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                                   | ND     |           | ng/g  | 0.260 | 0.041 | 1               |
| Perfluorohexanoic Acid (PFHxA)  | ND     |           | ng/g  | 0.520 | 0.055 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                       | ND     |           | ng/g  | 0.260 | 0.047 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                                  | ND     |           | ng/g  | 0.260 | 0.063 | 1               |
| Perfluorooctanoic Acid (PFOA)   | 0.071  | J         | ng/g  | 0.260 | 0.044 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                     | ND     |           | ng/g  | 0.520 | 0.187 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                                 | ND     |           | ng/g  | 0.520 | 0.142 | 1               |
| Perfluorononanoic Acid (PFNA)   | ND     |           | ng/g  | 0.260 | 0.078 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                                   | 0.148  | J         | ng/g  | 0.260 | 0.135 | 1               |
| Perfluorodecanoic Acid (PFDA)   | ND     |           | ng/g  | 0.260 | 0.070 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                     | ND     |           | ng/g  | 0.520 | 0.298 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)             | ND     |           | ng/g  | 0.520 | 0.210 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                                      | ND     |           | ng/g  | 0.520 | 0.049 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                                   | ND     |           | ng/g  | 0.520 | 0.159 | 1               |
| Perfluorooctanesulfonamide (FOSA)                                     | ND     |           | ng/g  | 0.520 | 0.102 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)              | ND     |           | ng/g  | 0.520 | 0.088 | 1               |
| Perfluorododecanoic Acid (PFDoA)                                      | ND     |           | ng/g  | 0.520 | 0.073 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                                    | ND     |           | ng/g  | 0.520 | 0.213 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                                    | ND     |           | ng/g  | 0.520 | 0.056 | 1               |
| PFOA/PFOS, Total  | 0.219  | J         | ng/g  | 0.260 | 0.044 | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231034-10  
 Client ID: SB013 (0-2)P  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 14:15  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|----|-----|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |    |     |                 |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|--|------------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 82         |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 81         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 81         |           | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 79         |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 81         |           | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 83         |           | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 81         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 68         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 77         |           | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 80         |           | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 81         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 68         |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 52         |           | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 103        |           | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 11         |           | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 72         |           | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 101        |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 67         |           | 24-159              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231034-11  
**Client ID:** SB013 (6-8)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 14:45  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 06/24/22 06:19  
**Analyst:** MP  
**Percent Solids:** 96%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 06/20/22 07:45

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| <b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b> |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)   | ND     |           | ng/g  | 0.490 | 0.022 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                       | ND     |           | ng/g  | 0.490 | 0.045 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                                   | ND     |           | ng/g  | 0.245 | 0.038 | 1               |
| Perfluorohexanoic Acid (PFHxA)  | ND     |           | ng/g  | 0.490 | 0.052 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                       | ND     |           | ng/g  | 0.245 | 0.044 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                                  | ND     |           | ng/g  | 0.245 | 0.059 | 1               |
| Perfluorooctanoic Acid (PFOA)   | ND     |           | ng/g  | 0.245 | 0.041 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                     | ND     |           | ng/g  | 0.490 | 0.176 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                                 | ND     |           | ng/g  | 0.490 | 0.134 | 1               |
| Perfluorononanoic Acid (PFNA)   | ND     |           | ng/g  | 0.245 | 0.074 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                                   | ND     |           | ng/g  | 0.245 | 0.128 | 1               |
| Perfluorodecanoic Acid (PFDA)   | ND     |           | ng/g  | 0.245 | 0.066 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                     | ND     |           | ng/g  | 0.490 | 0.282 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)             | ND     |           | ng/g  | 0.490 | 0.198 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                                      | ND     |           | ng/g  | 0.490 | 0.046 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                                   | ND     |           | ng/g  | 0.490 | 0.150 | 1               |
| Perfluorooctanesulfonamide (FOSA)                                     | ND     |           | ng/g  | 0.490 | 0.096 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)              | ND     |           | ng/g  | 0.490 | 0.083 | 1               |
| Perfluorododecanoic Acid (PFDoA)                                      | ND     |           | ng/g  | 0.490 | 0.069 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                                    | ND     |           | ng/g  | 0.490 | 0.200 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                                    | ND     |           | ng/g  | 0.490 | 0.053 | 1               |
| PFOA/PFOS, Total  | ND     |           | ng/g  | 0.245 | 0.041 | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231034-11  
 Client ID: SB013 (6-8)P  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 14:45  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units      | RL        | MDL | Dilution Factor     |
|--|--------|-----------|------------|-----------|-----|---------------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab         |        |           |            |           |     |                     |
| Surrogate (Extracted Internal Standard)                                |        |           | % Recovery | Qualifier |     | Acceptance Criteria |
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   |        |           | 73         |           |     | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                |        |           | 71         |           |     | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      |        |           | 77         |           |     | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       |        |           | 74         |           |     | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        |        |           | 77         |           |     | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     |        |           | 81         |           |     | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  |        |           | 74         | Q         |     | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         |        |           | 56         |           |     | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  |        |           | 69         | Q         |     | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            |        |           | 76         | Q         |     | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      |        |           | 73         | Q         |     | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         |        |           | 55         |           |     | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) |        |           | 39         |           |     | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                |        |           | 95         |           |     | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              |        |           | 21         |           |     | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  |        |           | 61         |           |     | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            |        |           | 94         |           |     | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       |        |           | 59         |           |     | 24-159              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231034-12  
**Client ID:** SB013 (10-12)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 14:55  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 06/24/22 06:35  
**Analyst:** MP  
**Percent Solids:** 94%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 06/20/22 07:45

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| <b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b> |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)   | ND     |           | ng/g  | 0.496 | 0.023 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                       | ND     |           | ng/g  | 0.496 | 0.046 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                                   | ND     |           | ng/g  | 0.248 | 0.039 | 1               |
| Perfluorohexanoic Acid (PFHxA)  | ND     |           | ng/g  | 0.496 | 0.052 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                       | ND     |           | ng/g  | 0.248 | 0.045 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                                  | ND     |           | ng/g  | 0.248 | 0.060 | 1               |
| Perfluorooctanoic Acid (PFOA)   | ND     |           | ng/g  | 0.248 | 0.042 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                     | ND     |           | ng/g  | 0.496 | 0.178 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                                 | ND     |           | ng/g  | 0.496 | 0.135 | 1               |
| Perfluorononanoic Acid (PFNA)   | ND     |           | ng/g  | 0.248 | 0.074 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                                   | 0.192  | J         | ng/g  | 0.248 | 0.129 | 1               |
| Perfluorodecanoic Acid (PFDA)   | ND     |           | ng/g  | 0.248 | 0.067 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                     | ND     |           | ng/g  | 0.496 | 0.285 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)             | ND     |           | ng/g  | 0.496 | 0.200 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                                      | ND     |           | ng/g  | 0.496 | 0.046 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                                   | ND     |           | ng/g  | 0.496 | 0.152 | 1               |
| Perfluorooctanesulfonamide (FOSA)                                     | ND     |           | ng/g  | 0.496 | 0.097 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)              | ND     |           | ng/g  | 0.496 | 0.084 | 1               |
| Perfluorododecanoic Acid (PFDoA)                                      | ND     |           | ng/g  | 0.496 | 0.070 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                                    | ND     |           | ng/g  | 0.496 | 0.203 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                                    | ND     |           | ng/g  | 0.496 | 0.054 | 1               |
| PFOA/PFOS, Total  | 0.192  | J         | ng/g  | 0.248 | 0.042 | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231034-12  
 Client ID: SB013 (10-12)P  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 14:55  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|----|-----|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |    |     |                 |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|--|------------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 78         |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 75         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 77         |           | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 75         |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 79         |           | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 80         |           | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 75         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 63         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 71         | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 74         | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 75         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 61         |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 53         |           | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 97         |           | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 11         |           | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 67         |           | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 94         |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 64         |           | 24-159              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 06/15/22 18:54  
**Analyst:** RS

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 06/14/22 03:39

| Parameter   | Result | Qualifier | Units | RL   | MDL   |
|---|--------|-----------|-------|------|-------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1650127-1 |        |           |       |      |       |
| Perfluorobutanoic Acid (PFBA)   | ND     |           | ng/l  | 2.00 | 0.408 |
| Perfluoropentanoic Acid (PFPeA)   | ND     |           | ng/l  | 2.00 | 0.396 |
| Perfluorobutanesulfonic Acid (PFBS)   | ND     |           | ng/l  | 2.00 | 0.238 |
| Perfluorohexanoic Acid (PFHxA)  | ND     |           | ng/l  | 2.00 | 0.328 |
| Perfluoroheptanoic Acid (PFHpA)   | ND     |           | ng/l  | 2.00 | 0.225 |
| Perfluorohexanesulfonic Acid (PFHxS)  | ND     |           | ng/l  | 2.00 | 0.376 |
| Perfluorooctanoic Acid (PFOA)   | ND     |           | ng/l  | 2.00 | 0.236 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)   | ND     |           | ng/l  | 2.00 | 1.33  |
| Perfluoroheptanesulfonic Acid (PFHpS)   | ND     |           | ng/l  | 2.00 | 0.688 |
| Perfluorononanoic Acid (PFNA)   | ND     |           | ng/l  | 2.00 | 0.312 |
| Perfluorooctanesulfonic Acid (PFOS)   | ND     |           | ng/l  | 2.00 | 0.504 |
| Perfluorodecanoic Acid (PFDA)   | ND     |           | ng/l  | 2.00 | 0.304 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)   | ND     |           | ng/l  | 2.00 | 1.21  |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)   | ND     |           | ng/l  | 2.00 | 0.648 |
| Perfluoroundecanoic Acid (PFUnA)  | ND     |           | ng/l  | 2.00 | 0.260 |
| Perfluorodecanesulfonic Acid (PFDS)   | ND     |           | ng/l  | 2.00 | 0.980 |
| Perfluorooctanesulfonamide (FOSA)   | ND     |           | ng/l  | 2.00 | 0.580 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)  | ND     |           | ng/l  | 2.00 | 0.804 |
| Perfluorododecanoic Acid (PFDoA)  | ND     |           | ng/l  | 2.00 | 0.372 |
| Perfluorotridecanoic Acid (PFTrDA)  | ND     |           | ng/l  | 2.00 | 0.327 |
| Perfluorotetradecanoic Acid (PFTA)  | ND     |           | ng/l  | 2.00 | 0.248 |
| PFOA/PFOS, Total  | ND     |           | ng/l  | 2.00 | 0.236 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 134,LCMSMS-ID  
Analytical Date: 06/15/22 18:54  
Analyst: RS

Extraction Method: ALPHA 23528  
Extraction Date: 06/14/22 03:39

| Parameter   | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|----|-----|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1650127-1 |        |           |       |    |     |

| Surrogate (Extracted Internal Standard)                                | %Recovery | Qualifier | Acceptance Criteria |
|--|-----------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 97        |           | 58-132              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 110       |           | 62-163              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 95        |           | 70-131              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 94        |           | 57-129              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 97        |           | 60-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 100       |           | 71-134              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 95        |           | 62-129              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 70        |           | 14-147              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 90        |           | 59-139              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 93        |           | 69-131              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 93        |           | 62-124              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 67        |           | 10-162              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 77        |           | 24-116              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 92        |           | 55-137              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 41        |           | 10-112              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 83        |           | 27-126              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 96        |           | 48-131              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 84        |           | 22-136              |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 06/24/22 02:10  
**Analyst:** MP

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 06/20/22 07:45

| Parameter  | Result | Qualifier | Units | RL    | MDL   |
|--|--------|-----------|-------|-------|-------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02-12 Batch: WG1652722-1 |        |           |       |       |       |
| Perfluorobutanoic Acid (PFBA)  | ND     |           | ng/g  | 0.500 | 0.023 |
| Perfluoropentanoic Acid (PFPeA)  | ND     |           | ng/g  | 0.500 | 0.046 |
| Perfluorobutanesulfonic Acid (PFBS)  | ND     |           | ng/g  | 0.250 | 0.039 |
| Perfluorohexanoic Acid (PFHxA)   | ND     |           | ng/g  | 0.500 | 0.053 |
| Perfluoroheptanoic Acid (PFHpA)  | ND     |           | ng/g  | 0.250 | 0.045 |
| Perfluorohexanesulfonic Acid (PFHxS)   | ND     |           | ng/g  | 0.250 | 0.061 |
| Perfluorooctanoic Acid (PFOA)  | ND     |           | ng/g  | 0.250 | 0.042 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)  | ND     |           | ng/g  | 0.500 | 0.180 |
| Perfluoroheptanesulfonic Acid (PFHpS)  | ND     |           | ng/g  | 0.500 | 0.136 |
| Perfluorononanoic Acid (PFNA)  | ND     |           | ng/g  | 0.250 | 0.075 |
| Perfluorooctanesulfonic Acid (PFOS)  | ND     |           | ng/g  | 0.250 | 0.130 |
| Perfluorodecanoic Acid (PFDA)  | ND     |           | ng/g  | 0.250 | 0.067 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)  | ND     |           | ng/g  | 0.500 | 0.287 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)  | ND     |           | ng/g  | 0.500 | 0.202 |
| Perfluoroundecanoic Acid (PFUnA)   | ND     |           | ng/g  | 0.500 | 0.047 |
| Perfluorodecanesulfonic Acid (PFDS)  | ND     |           | ng/g  | 0.500 | 0.153 |
| Perfluorooctanesulfonamide (FOSA)  | ND     |           | ng/g  | 0.500 | 0.098 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)   | ND     |           | ng/g  | 0.500 | 0.085 |
| Perfluorododecanoic Acid (PFDoA)   | ND     |           | ng/g  | 0.500 | 0.070 |
| Perfluorotridecanoic Acid (PFTrDA)   | ND     |           | ng/g  | 0.500 | 0.204 |
| Perfluorotetradecanoic Acid (PFTA)   | ND     |           | ng/g  | 0.500 | 0.054 |
| PFOA/PFOS, Total   | ND     |           | ng/g  | 0.250 | 0.042 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 134,LCMSMS-ID  
Analytical Date: 06/24/22 02:10  
Analyst: MP

Extraction Method: ALPHA 23528  
Extraction Date: 06/20/22 07:45

| Parameter  | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|----|-----|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02-12 Batch: WG1652722-1 |        |           |       |    |     |

| Surrogate (Extracted Internal Standard)                                | %Recovery | Qualifier | Acceptance Criteria |
|--|-----------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 47        | Q         | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 48        | Q         | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 60        | Q         | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 52        | Q         | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 55        | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 61        | Q         | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 55        | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 44        |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 51        | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 55        | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 52        | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 37        |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 42        |           | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 62        |           | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 8         | Q         | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 49        |           | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 56        |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 20        | Q         | 24-159              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 134,LCMSMS-ID  
Analytical Date: 06/24/22 18:14  
Analyst: RS

Extraction Method: ALPHA 23528  
Extraction Date: 06/20/22 07:45

| Parameter  | Result | Qualifier | Units | RL    | MDL   |
|--|--------|-----------|-------|-------|-------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02-12 Batch: WG1652722-1 |        |           |       |       |       |
| Perfluorooctanesulfonamide (FOSA)  | ND     |           | ng/g  | 0.500 | 0.098 |

| Surrogate (Extracted Internal Standard)   | %Recovery | Qualifier | Acceptance Criteria |
|---|-----------|-----------|---------------------|
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 114       |           | 10-117              |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231034

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1650127-2 |                  |      |                   |      |                     |     |      |               |
| Perfluorobutanoic Acid (PFBA)  | 98               |      | -                 |      | 67-148              | -   |      | 30            |
| Perfluoropentanoic Acid (PFPeA)  | 97               |      | -                 |      | 63-161              | -   |      | 30            |
| Perfluorobutanesulfonic Acid (PFBS)  | 93               |      | -                 |      | 65-157              | -   |      | 30            |
| Perfluorohexanoic Acid (PFHxA)   | 98               |      | -                 |      | 69-168              | -   |      | 30            |
| Perfluoroheptanoic Acid (PFHpA)  | 96               |      | -                 |      | 58-159              | -   |      | 30            |
| Perfluorohexanesulfonic Acid (PFHxS)   | 111              |      | -                 |      | 69-177              | -   |      | 30            |
| Perfluorooctanoic Acid (PFOA)  | 108              |      | -                 |      | 63-159              | -   |      | 30            |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)  | 103              |      | -                 |      | 49-187              | -   |      | 30            |
| Perfluoroheptanesulfonic Acid (PFHpS)  | 106              |      | -                 |      | 61-179              | -   |      | 30            |
| Perfluorononanoic Acid (PFNA)  | 109              |      | -                 |      | 68-171              | -   |      | 30            |
| Perfluorooctanesulfonic Acid (PFOS)  | 113              |      | -                 |      | 52-151              | -   |      | 30            |
| Perfluorodecanoic Acid (PFDA)  | 96               |      | -                 |      | 63-171              | -   |      | 30            |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)  | 98               |      | -                 |      | 56-173              | -   |      | 30            |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)  | 114              |      | -                 |      | 60-166              | -   |      | 30            |
| Perfluoroundecanoic Acid (PFUnA)   | 112              |      | -                 |      | 60-153              | -   |      | 30            |
| Perfluorodecanesulfonic Acid (PFDS)  | 93               |      | -                 |      | 38-156              | -   |      | 30            |
| Perfluorooctanesulfonamide (FOSA)  | 98               |      | -                 |      | 46-170              | -   |      | 30            |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)   | 95               |      | -                 |      | 45-170              | -   |      | 30            |
| Perfluorododecanoic Acid (PFDoA)   | 100              |      | -                 |      | 67-153              | -   |      | 30            |
| Perfluorotridecanoic Acid (PFTrDA)   | 98               |      | -                 |      | 48-158              | -   |      | 30            |
| Perfluorotetradecanoic Acid (PFTA)   | 111              |      | -                 |      | 59-182              | -   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

| Parameter  | LCS       |      | LCSD      |      | %Recovery |      | RPD | RPD    |  |
|--|-----------|------|-----------|------|-----------|------|-----|--------|--|
|  | %Recovery | Qual | %Recovery | Qual | Limits    | Qual |     | Limits |  |
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1650127-2 |           |      |           |      |           |      |     |        |  |

| Surrogate (Extracted Internal Standard)                                | LCS       |      | LCSD      |      | Acceptance<br>Criteria |
|--|-----------|------|-----------|------|------------------------|
|  | %Recovery | Qual | %Recovery | Qual |                        |
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 100       |      |           |      | 58-132                 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 110       |      |           |      | 62-163                 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 100       |      |           |      | 70-131                 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 96        |      |           |      | 57-129                 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 98        |      |           |      | 60-129                 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 102       |      |           |      | 71-134                 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 94        |      |           |      | 62-129                 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 76        |      |           |      | 14-147                 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 91        |      |           |      | 59-139                 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 101       |      |           |      | 69-131                 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 97        |      |           |      | 62-124                 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 94        |      |           |      | 10-162                 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 78        |      |           |      | 24-116                 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 94        |      |           |      | 55-137                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 56        |      |           |      | 10-112                 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 89        |      |           |      | 27-126                 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 99        |      |           |      | 48-131                 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 89        |      |           |      | 22-136                 |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231034

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-12 Batch: WG1652722-2 |                  |      |                   |      |                     |     |      |               |
| Perfluorobutanoic Acid (PFBA)   | 91               |      | -                 |      | 71-135              | -   |      | 30            |
| Perfluoropentanoic Acid (PFPeA)   | 90               |      | -                 |      | 69-132              | -   |      | 30            |
| Perfluorobutanesulfonic Acid (PFBS)   | 91               |      | -                 |      | 72-128              | -   |      | 30            |
| Perfluorohexanoic Acid (PFHxA)  | 91               |      | -                 |      | 70-132              | -   |      | 30            |
| Perfluoroheptanoic Acid (PFHpA)   | 90               |      | -                 |      | 71-131              | -   |      | 30            |
| Perfluorohexanesulfonic Acid (PFHxS)  | 106              |      | -                 |      | 67-130              | -   |      | 30            |
| Perfluorooctanoic Acid (PFOA)   | 95               |      | -                 |      | 69-133              | -   |      | 30            |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)   | 94               |      | -                 |      | 64-140              | -   |      | 30            |
| Perfluoroheptanesulfonic Acid (PFHpS)   | 105              |      | -                 |      | 70-132              | -   |      | 30            |
| Perfluorononanoic Acid (PFNA)   | 99               |      | -                 |      | 72-129              | -   |      | 30            |
| Perfluorooctanesulfonic Acid (PFOS)   | 111              |      | -                 |      | 68-136              | -   |      | 30            |
| Perfluorodecanoic Acid (PFDA)   | 96               |      | -                 |      | 69-133              | -   |      | 30            |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)   | 90               |      | -                 |      | 65-137              | -   |      | 30            |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)   | 99               |      | -                 |      | 63-144              | -   |      | 30            |
| Perfluoroundecanoic Acid (PFUnA)  | 79               |      | -                 |      | 64-136              | -   |      | 30            |
| Perfluorodecanesulfonic Acid (PFDS)   | 95               |      | -                 |      | 59-134              | -   |      | 30            |
| Perfluorooctanesulfonamide (FOSA)   | 99               |      | -                 |      | 67-137              | -   |      | 30            |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)  | 81               |      | -                 |      | 61-139              | -   |      | 30            |
| Perfluorododecanoic Acid (PFDoA)  | 90               |      | -                 |      | 69-135              | -   |      | 30            |
| Perfluorotridecanoic Acid (PFTrDA)  | 142              | Q    | -                 |      | 66-139              | -   |      | 30            |
| Perfluorotetradecanoic Acid (PFTA)  | 126              |      | -                 |      | 69-133              | -   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

| Parameter   | LCS       |      | LCSD      |      | %Recovery |      | RPD | RPD    |  |
|---|-----------|------|-----------|------|-----------|------|-----|--------|--|
|   | %Recovery | Qual | %Recovery | Qual | Limits    | Qual |     | Limits |  |
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-12 Batch: WG1652722-2 |           |      |           |      |           |      |     |        |  |

| Surrogate (Extracted Internal Standard)                                | LCS       |      | LCSD      |      | Acceptance<br>Criteria |
|--|-----------|------|-----------|------|------------------------|
|  | %Recovery | Qual | %Recovery | Qual |                        |
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 45        | Q    |           |      | 61-135                 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 49        | Q    |           |      | 58-150                 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 60        | Q    |           |      | 74-139                 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 54        | Q    |           |      | 66-128                 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 59        | Q    |           |      | 71-129                 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 64        | Q    |           |      | 78-139                 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 58        | Q    |           |      | 75-130                 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 47        |      |           |      | 20-154                 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 56        | Q    |           |      | 72-140                 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 58        | Q    |           |      | 79-136                 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 55        | Q    |           |      | 75-130                 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 43        |      |           |      | 19-175                 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 40        |      |           |      | 31-134                 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 66        |      |           |      | 61-155                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 7         | Q    |           |      | 10-117                 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 50        |      |           |      | 34-137                 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 65        |      |           |      | 54-150                 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 27        |      |           |      | 24-159                 |

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-12 Batch: WG1652722-2 |                  |      |                   |      |                     |     |      |               |
| Perfluorooctanesulfonamide (FOSA)   | 113              |      | -                 |      | 67-137              | -   |      | 30            |

| <b>Surrogate (Extracted Internal Standard)</b> | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|--|------------------|------|-------------------|------|------------------------|
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)      | 103              |      |                   |      | 10-117                 |



## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

| <i>Parameter</i>   | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|--|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1650127-3 QC Sample: L2229902-03 Client ID: MS Sample |                      |                 |                 |                     |             |                  |                      |             |                        |            |             |                   |
| Perfluorobutanoic Acid (PFBA)  | 1.35J                | 37.2            | 37.2            | 96                  |             | -                | -                    |             | 67-148                 | -          |             | 30                |
| Perfluoropentanoic Acid (PFPeA)  | ND                   | 37.2            | 36.2            | 97                  |             | -                | -                    |             | 63-161                 | -          |             | 30                |
| Perfluorobutanesulfonic Acid (PFBS)  | 0.250J               | 33              | 31.6            | 95                  |             | -                | -                    |             | 65-157                 | -          |             | 30                |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)  | ND                   | 34.8            | 35.0            | 100                 |             | -                | -                    |             | 37-219                 | -          |             | 30                |
| Perfluorohexanoic Acid (PFHxA)   | ND                   | 37.2            | 36.1            | 97                  |             | -                | -                    |             | 69-168                 | -          |             | 30                |
| Perfluoropentanesulfonic Acid (PFPeS)  | ND                   | 35              | 35.3            | 101                 |             | -                | -                    |             | 52-156                 | -          |             | 30                |
| Perfluoroheptanoic Acid (PFHpA)  | ND                   | 37.2            | 36.4            | 98                  |             | -                | -                    |             | 58-159                 | -          |             | 30                |
| Perfluorohexanesulfonic Acid (PFHxS)   | ND                   | 34              | 37.5            | 110                 |             | -                | -                    |             | 69-177                 | -          |             | 30                |
| Perfluorooctanoic Acid (PFOA)  | ND                   | 37.2            | 39.8            | 107                 |             | -                | -                    |             | 63-159                 | -          |             | 30                |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)  | ND                   | 35.4            | 35.7            | 101                 |             | -                | -                    |             | 49-187                 | -          |             | 30                |
| Perfluoroheptanesulfonic Acid (PFHpS)  | ND                   | 35.4            | 41.0            | 116                 |             | -                | -                    |             | 61-179                 | -          |             | 30                |
| Perfluorononanoic Acid (PFNA)  | ND                   | 37.2            | 38.2            | 103                 |             | -                | -                    |             | 68-171                 | -          |             | 30                |
| Perfluorooctanesulfonic Acid (PFOS)  | 0.630J               | 34.5            | 40.7            | 116                 |             | -                | -                    |             | 52-151                 | -          |             | 30                |
| Perfluorodecanoic Acid (PFDA)  | ND                   | 37.2            | 37.5            | 101                 |             | -                | -                    |             | 63-171                 | -          |             | 30                |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)  | ND                   | 35.7            | 43.2            | 121                 |             | -                | -                    |             | 56-173                 | -          |             | 30                |
| Perfluorononanesulfonic Acid (PFNS)  | ND                   | 35.7            | 35.8            | 100                 |             | -                | -                    |             | 48-150                 | -          |             | 30                |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)  | ND                   | 37.2            | 36.3            | 98                  |             | -                | -                    |             | 60-166                 | -          |             | 30                |
| Perfluoroundecanoic Acid (PFUnA)   | ND                   | 37.2            | 45.5            | 122                 |             | -                | -                    |             | 60-153                 | -          |             | 30                |
| Perfluorodecanesulfonic Acid (PFDS)  | ND                   | 35.9            | 31.4            | 88                  |             | -                | -                    |             | 38-156                 | -          |             | 30                |
| Perfluorooctanesulfonamide (FOSA)  | ND                   | 37.2            | 39.1            | 105                 |             | -                | -                    |             | 46-170                 | -          |             | 30                |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)   | ND                   | 37.2            | 38.6            | 104                 |             | -                | -                    |             | 45-170                 | -          |             | 30                |
| Perfluorododecanoic Acid (PFDoA)   | ND                   | 37.2            | 38.7            | 104                 |             | -                | -                    |             | 67-153                 | -          |             | 30                |

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2231034

**Project Number:** 3883.0001Y000

**Report Date:** 06/27/22

| <i>Parameter</i>   | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|--|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1650127-3 QC Sample: L2229902-03 Client ID: MS Sample |                      |                 |                 |                     |             |                  |                      |             |                        |            |             |                   |
| Perfluorotridecanoic Acid (PFTTrDA)  | ND                   | 37.2            | 38.4            | 103                 |             | -                | -                    |             | 48-158                 | -          |             | 30                |
| Perfluorotetradecanoic Acid (PFTTA)  | ND                   | 37.2            | 37.9            | 102                 |             | -                | -                    |             | 59-182                 | -          |             | 30                |

| <i>Surrogate (Extracted Internal Standard)</i>                         | <i>MS % Recovery</i> | <i>Qualifier</i> | <i>MSD % Recovery</i> | <i>Qualifier</i> | <i>Acceptance Criteria</i> |
|--|----------------------|------------------|-----------------------|------------------|----------------------------|
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 57                   |                  |                       |                  | 10-162                     |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)         | 58                   |                  |                       |                  | 12-142                     |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 60                   |                  |                       |                  | 14-147                     |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 62                   |                  |                       |                  | 27-126                     |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 63                   |                  |                       |                  | 24-116                     |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUOA)                | 63                   |                  |                       |                  | 55-137                     |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 71                   |                  |                       |                  | 62-124                     |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 84                   |                  |                       |                  | 57-129                     |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 84                   |                  |                       |                  | 60-129                     |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 85                   |                  |                       |                  | 71-134                     |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 69                   |                  |                       |                  | 48-131                     |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 71                   |                  |                       |                  | 22-136                     |
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 82                   |                  |                       |                  | 58-132                     |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 88                   |                  |                       |                  | 62-163                     |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 10                   |                  |                       |                  | 10-112                     |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 72                   |                  |                       |                  | 69-131                     |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 81                   |                  |                       |                  | 62-129                     |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 79                   |                  |                       |                  | 59-139                     |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 86                   |                  |                       |                  | 70-131                     |

## Matrix Spike Analysis

### Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2231034

**Project Number:** 3883.0001Y000

**Report Date:** 06/27/22

| Parameter   | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---------------|----------|----------|--------------|------|-----------|---------------|------|-----------------|-----|------|------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-12 QC Batch ID: WG1652722-3 WG1652722-4 QC Sample: L2231034-04<br>Client ID: SB016 (0-2)P |               |          |          |              |      |           |               |      |                 |     |      |            |
| Perfluorobutanoic Acid (PFBA)   | ND            | 4.95     | 5.17     | 104          |      | 4.65      | 92            |      | 71-135          | 11  |      | 30         |
| Perfluoropentanoic Acid (PFPeA)   | ND            | 4.95     | 5.24     | 106          |      | 4.58      | 91            |      | 69-132          | 13  |      | 30         |
| Perfluorobutanesulfonic Acid (PFBS)   | ND            | 4.39     | 4.59     | 104          |      | 4.08      | 91            |      | 72-128          | 12  |      | 30         |
| Perfluorohexanoic Acid (PFHxA)  | ND            | 4.95     | 4.94     | 100          |      | 4.55      | 91            |      | 70-132          | 8   |      | 30         |
| Perfluoroheptanoic Acid (PFHpA)   | ND            | 4.95     | 5.20     | 105          |      | 4.73      | 94            |      | 71-131          | 9   |      | 30         |
| Perfluorohexanesulfonic Acid (PFHxS)  | ND            | 4.52     | 5.41     | 120          |      | 4.99      | 109           |      | 67-130          | 8   |      | 30         |
| Perfluorooctanoic Acid (PFOA)   | ND            | 4.95     | 5.24     | 106          |      | 4.66      | 93            |      | 69-133          | 12  |      | 30         |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)   | ND            | 4.71     | 4.76     | 101          |      | 5.07      | 106           |      | 64-140          | 6   |      | 30         |
| Perfluoroheptanesulfonic Acid (PFHpS)   | ND            | 4.72     | 5.67     | 120          |      | 4.98      | 104           |      | 70-132          | 13  |      | 30         |
| Perfluorononanoic Acid (PFNA)   | ND            | 4.95     | 5.75     | 116          |      | 5.09      | 101           |      | 72-129          | 12  |      | 30         |
| Perfluorooctanesulfonic Acid (PFOS)   | ND            | 4.59     | 5.92     | 129          |      | 5.16      | 111           |      | 68-136          | 14  |      | 30         |
| Perfluorodecanoic Acid (PFDA)   | ND            | 4.95     | 5.60     | 113          |      | 5.07      | 101           |      | 69-133          | 10  |      | 30         |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)   | ND            | 4.75     | 4.84     | 102          |      | 4.65      | 96            |      | 65-137          | 4   |      | 30         |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)   | ND            | 4.95     | 6.21     | 125          |      | 5.14F     | 102           |      | 63-144          | 19  |      | 30         |
| Perfluoroundecanoic Acid (PFUnA)  | ND            | 4.95     | 4.33     | 88           |      | 4.05      | 81            |      | 64-136          | 7   |      | 30         |
| Perfluorodecanesulfonic Acid (PFDS)   | ND            | 4.78     | 6.55     | 137          | Q    | 5.37      | 111           |      | 59-134          | 20  |      | 30         |
| Perfluorooctanesulfonamide (FOSA)   | ND            | 4.95     | 5.28     | 107          |      | 4.33      | 86            |      | 67-137          | 20  |      | 30         |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)  | ND            | 4.95     | 4.91     | 99           |      | 4.55F     | 91            |      | 61-139          | 8   |      | 30         |
| Perfluorododecanoic Acid (PFDoA)  | ND            | 4.95     | 5.53     | 112          |      | 4.57      | 91            |      | 69-135          | 19  |      | 30         |
| Perfluorotridecanoic Acid (PFTrDA)  | ND            | 4.95     | 6.64     | 134          |      | 6.28      | 125           |      | 66-139          | 6   |      | 30         |
| Perfluorotetradecanoic Acid (PFTTA)   | ND            | 4.95     | 7.18     | 145          | Q    | 6.33      | 126           |      | 69-133          | 13  |      | 30         |

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2231034

**Project Number:** 3883.0001Y000

**Report Date:** 06/27/22

| <i>Parameter</i>  | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|---|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-12 QC Batch ID: WG1652722-3 WG1652722-4 QC Sample: L2231034-04<br>Client ID: SB016 (0-2)P |                      |                 |                 |                     |             |                  |                      |             |                        |            |             |                   |

| <i>Surrogate (Extracted Internal Standard)</i>                         | <i>MS</i>         |                  | <i>MSD</i>        |                  | <i>Acceptance Criteria</i> |
|--|-------------------|------------------|-------------------|------------------|----------------------------|
|  | <i>% Recovery</i> | <i>Qualifier</i> | <i>% Recovery</i> | <i>Qualifier</i> |                            |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 35                |                  | 40                |                  | 19-175                     |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 39                |                  | 40                |                  | 20-154                     |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 41                |                  | 45                |                  | 34-137                     |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | <b>30</b>         | Q                | 34                |                  | 31-134                     |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUOA)                | 74                |                  | 83                |                  | 61-155                     |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | <b>57</b>         | Q                | <b>62</b>         | Q                | 75-130                     |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | <b>56</b>         | Q                | <b>61</b>         | Q                | 66-128                     |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | <b>57</b>         | Q                | <b>63</b>         | Q                | 71-129                     |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | <b>64</b>         | Q                | <b>71</b>         | Q                | 78-139                     |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 71                |                  | 83                |                  | 54-150                     |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 51                |                  | 56                |                  | 24-159                     |
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | <b>54</b>         | Q                | 61                |                  | 61-135                     |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | <b>52</b>         | Q                | 60                |                  | 58-150                     |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 68                |                  | 75                |                  | 10-117                     |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | <b>60</b>         | Q                | <b>69</b>         | Q                | 79-136                     |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | <b>57</b>         | Q                | <b>64</b>         | Q                | 75-130                     |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | <b>54</b>         | Q                | <b>60</b>         | Q                | 72-140                     |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | <b>59</b>         | Q                | <b>67</b>         | Q                | 74-139                     |

## Lab Duplicate Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Project Number: 3883.0001Y000

Lab Number: L2231034

Report Date: 06/27/22

| Parameter   | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1650127-4 QC Sample: L2229902-05 Client ID: DUP Sample |               |                  |       |     |      |            |
| Perfluorobutanoic Acid (PFBA)   | 11.3          | 11.6             | ng/l  | 3   |      | 30         |
| Perfluoropentanoic Acid (PFPeA)   | 19.9          | 20.2             | ng/l  | 1   |      | 30         |
| Perfluorobutanesulfonic Acid (PFBS)   | 46.7          | 46.6             | ng/l  | 0   |      | 30         |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)   | ND            | ND               | ng/l  | NC  |      | 30         |
| Perfluorohexanoic Acid (PFHxA)  | 15.5          | 15.4             | ng/l  | 1   |      | 30         |
| Perfluoropentanesulfonic Acid (PFPeS)   | 0.430J        | 0.407J           | ng/l  | NC  |      | 30         |
| Perfluoroheptanoic Acid (PFHpA)   | 7.68          | 7.70             | ng/l  | 0   |      | 30         |
| Perfluorohexanesulfonic Acid (PFHxS)  | 4.68          | 4.55             | ng/l  | 3   |      | 30         |
| Perfluorooctanoic Acid (PFOA)   | 24.7          | 24.1             | ng/l  | 2   |      | 30         |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)   | 1.36J         | ND               | ng/l  | NC  |      | 30         |
| Perfluoroheptanesulfonic Acid (PFHpS)   | 2.72          | 2.38             | ng/l  | 13  |      | 30         |
| Perfluorononanoic Acid (PFNA)   | 1.59J         | 1.38J            | ng/l  | NC  |      | 30         |
| Perfluorooctanesulfonic Acid (PFOS)   | 158           | 140              | ng/l  | 12  |      | 30         |
| Perfluorodecanoic Acid (PFDA)   | 0.302JF       | ND               | ng/l  | NC  |      | 30         |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)   | ND            | ND               | ng/l  | NC  |      | 30         |
| Perfluorononanesulfonic Acid (PFNS)   | ND            | ND               | ng/l  | NC  |      | 30         |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)   | ND            | ND               | ng/l  | NC  |      | 30         |
| Perfluoroundecanoic Acid (PFUnA)  | ND            | ND               | ng/l  | NC  |      | 30         |
| Perfluorodecanesulfonic Acid (PFDS)   | ND            | ND               | ng/l  | NC  |      | 30         |
| Perfluorooctanesulfonamide (FOSA)   | ND            | ND               | ng/l  | NC  |      | 30         |

## Lab Duplicate Analysis

Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

| Parameter   | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1650127-4 QC Sample: L2229902-05 Client ID: DUP Sample |               |                  |       |     |      |            |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)  | ND            | ND               | ng/l  | NC  |      | 30         |
| Perfluorododecanoic Acid (PFDoA)  | ND            | ND               | ng/l  | NC  |      | 30         |
| Perfluorotridecanoic Acid (PFTTrDA)   | ND            | ND               | ng/l  | NC  |      | 30         |
| Perfluorotetradecanoic Acid (PFTA)  | ND            | ND               | ng/l  | NC  |      | 30         |

| Surrogate (Extracted Internal Standard)                                | %Recovery | Qualifier | %Recovery | Qualifier | Acceptance Criteria |
|--|-----------|-----------|-----------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 74        |           | 81        |           | 58-132              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 83        |           | 93        |           | 62-163              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 89        |           | 102       |           | 70-131              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)         | 59        |           | 77        |           | 12-142              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 71        |           | 74        |           | 57-129              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 72        |           | 80        |           | 60-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 91        |           | 106       |           | 71-134              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 72        |           | 79        |           | 62-129              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 65        |           | 85        |           | 14-147              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 72        |           | 81        |           | 59-139              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 79        |           | 104       |           | 69-131              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 71        |           | 83        |           | 62-124              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 73        |           | 88        |           | 10-162              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 65        |           | 82        |           | 24-116              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 71        |           | 82        |           | 55-137              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 18        |           | 27        |           | 10-112              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 61        |           | 81        |           | 27-126              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 74        |           | 91        |           | 48-131              |

## Lab Duplicate Analysis

Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

| Parameter   | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1650127-4 QC Sample: L2229902-05 Client ID: DUP Sample |               |                  |       |     |      |            |

| Surrogate (Extracted Internal Standard)          | %Recovery | Qualifier | %Recovery | Qualifier | Acceptance Criteria |
|--|-----------|-----------|-----------|-----------|---------------------|
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 70        |           | 79        |           | 22-136              |

# **INORGANICS & MISCELLANEOUS**



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231034-02  
**Client ID:** SB017 (0-2)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 09:25  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|---------------|----------------|-------------------|---------|
| <b>General Chemistry - Mansfield Lab</b> |        |           |       |       |       |                 |               |                |                   |         |
| Solids, Total                            | 93.6   |           | %     | 0.100 | 0.100 | 1               | -             | 06/13/22 13:20 | 121,2540G         | SK      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231034-03  
**Client ID:** SB017 (2-4)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 09:35  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|---------------|----------------|-------------------|---------|
| <b>General Chemistry - Mansfield Lab</b> |        |           |       |       |       |                 |               |                |                   |         |
| Solids, Total                            | 90.4   |           | %     | 0.100 | 0.100 | 1               | -             | 06/13/22 13:20 | 121,2540G         | SK      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231034-04  
**Client ID:** SB016 (0-2)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 10:05  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|--|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------------|---------|
| <b>General Chemistry - Mansfield Lab</b> |        |           |       |       |       |                    |                  |                  |                      |         |
| Solids, Total                            | 92.9   |           | %     | 0.100 | 0.100 | 1                  | -                | 06/13/22 13:20   | 121,2540G            | SK      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231034-05  
**Client ID:** SB016 (2-4)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 10:15  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|---------------|----------------|-------------------|---------|
| <b>General Chemistry - Mansfield Lab</b> |        |           |       |       |       |                 |               |                |                   |         |
| Solids, Total                            | 84.2   |           | %     | 0.100 | 0.100 | 1               | -             | 06/13/22 13:20 | 121,2540G         | SK      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231034-06  
**Client ID:** SB012 (0-2)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 11:35  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|---------------|----------------|-------------------|---------|
| <b>General Chemistry - Mansfield Lab</b> |        |           |       |       |       |                 |               |                |                   |         |
| Solids, Total                            | 95.7   |           | %     | 0.100 | 0.100 | 1               | -             | 06/13/22 13:20 | 121,2540G         | SK      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231034-07  
**Client ID:** DUP\_061022P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 12:05  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|---------------|----------------|-------------------|---------|
| <b>General Chemistry - Mansfield Lab</b> |        |           |       |       |       |                 |               |                |                   |         |
| Solids, Total                            | 87.5   |           | %     | 0.100 | 0.100 | 1               | -             | 06/13/22 13:20 | 121,2540G         | SK      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231034-08  
**Client ID:** SB012 (12-14)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 12:35  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|---------------|----------------|-------------------|---------|
| <b>General Chemistry - Mansfield Lab</b> |        |           |       |       |       |                 |               |                |                   |         |
| Solids, Total                            | 93.4   |           | %     | 0.100 | 0.100 | 1               | -             | 06/13/22 13:20 | 121,2540G         | SK      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231034-09  
**Client ID:** SB012 (15-17)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 12:45  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|---------------|----------------|-------------------|---------|
| <b>General Chemistry - Mansfield Lab</b> |        |           |       |       |       |                 |               |                |                   |         |
| Solids, Total                            | 95.0   |           | %     | 0.100 | 0.100 | 1               | -             | 06/13/22 13:20 | 121,2540G         | SK      |





**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231034-10  
**Client ID:** SB013 (0-2)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 14:15  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|---------------|----------------|-------------------|---------|
| <b>General Chemistry - Mansfield Lab</b> |        |           |       |       |       |                 |               |                |                   |         |
| Solids, Total                            | 91.8   |           | %     | 0.100 | 0.100 | 1               | -             | 06/13/22 13:20 | 121,2540G         | SK      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231034-11  
**Client ID:** SB013 (6-8)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 14:45  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|---------------|----------------|-------------------|---------|
| <b>General Chemistry - Mansfield Lab</b> |        |           |       |       |       |                 |               |                |                   |         |
| Solids, Total                            | 95.5   |           | %     | 0.100 | 0.100 | 1               | -             | 06/13/22 13:20 | 121,2540G         | SK      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231034-12  
**Client ID:** SB013 (10-12)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 14:55  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|---------------|----------------|-------------------|---------|
| <b>General Chemistry - Mansfield Lab</b> |        |           |       |       |       |                 |               |                |                   |         |
| Solids, Total                            | 94.4   |           | %     | 0.100 | 0.100 | 1               | -             | 06/13/22 13:20 | 121,2540G         | SK      |



## Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

| Parameter   | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| General Chemistry - Mansfield Lab Associated sample(s): 02-12 QC Batch ID: WG1649902-1 QC Sample: L2231034-04 Client ID: SB016 (0-2)P |               |                  |       |     |      |            |
| Solids, Total   | 92.9          | 92.8             | %     | 0   |      | 10         |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2231034**Project Number:** 3883.0001Y000**Report Date:** 06/27/22**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

| <b>Cooler</b> | <b>Custody Seal</b> |
|---------------|---------------------|
| A             | Absent              |
| B             | Absent              |
| C             | Absent              |

**Container Information**

| <b>Container ID</b> | <b>Container Type</b>          | <b>Cooler</b> | <b>Initial pH</b> | <b>Final pH</b> | <b>Temp deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen Date/Time</b> | <b>Analysis(*)</b>    |
|---------------------|--------------------------------|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|-----------------------|
| L2231034-01A        | Plastic 250ml unpreserved      | C             | NA                |                 | 3.2               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14) |
| L2231034-02A        | Plastic 2oz unpreserved for TS | C             | NA                |                 | 3.2               | Y           | Absent      |                         | A2-TS(7)              |
| L2231034-02B        | Plastic 8oz unpreserved        | C             | NA                |                 | 3.2               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14) |
| L2231034-03A        | Plastic 2oz unpreserved for TS | C             | NA                |                 | 3.2               | Y           | Absent      |                         | A2-TS(7)              |
| L2231034-03B        | Plastic 8oz unpreserved        | C             | NA                |                 | 3.2               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14) |
| L2231034-04A        | Plastic 2oz unpreserved for TS | C             | NA                |                 | 3.2               | Y           | Absent      |                         | A2-TS(7)              |
| L2231034-04A1       | Plastic 2oz unpreserved for TS | C             | NA                |                 | 3.2               | Y           | Absent      |                         | A2-TS(7)              |
| L2231034-04A2       | Plastic 2oz unpreserved for TS | C             | NA                |                 | 3.2               | Y           | Absent      |                         | A2-TS(7)              |
| L2231034-04B        | Plastic 8oz unpreserved        | C             | NA                |                 | 3.2               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14) |
| L2231034-04B1       | Plastic 8oz unpreserved        | C             | NA                |                 | 3.2               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14) |
| L2231034-04B2       | Plastic 8oz unpreserved        | C             | NA                |                 | 3.2               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14) |
| L2231034-05A        | Plastic 2oz unpreserved for TS | C             | NA                |                 | 3.2               | Y           | Absent      |                         | A2-TS(7)              |
| L2231034-05B        | Plastic 8oz unpreserved        | C             | NA                |                 | 3.2               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14) |
| L2231034-06A        | Plastic 2oz unpreserved for TS | C             | NA                |                 | 3.2               | Y           | Absent      |                         | A2-TS(7)              |
| L2231034-06B        | Plastic 8oz unpreserved        | C             | NA                |                 | 3.2               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14) |
| L2231034-07A        | Plastic 2oz unpreserved for TS | C             | NA                |                 | 3.2               | Y           | Absent      |                         | A2-TS(7)              |
| L2231034-07B        | Plastic 8oz unpreserved        | C             | NA                |                 | 3.2               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14) |
| L2231034-08A        | Plastic 2oz unpreserved for TS | C             | NA                |                 | 3.2               | Y           | Absent      |                         | A2-TS(7)              |
| L2231034-08B        | Plastic 8oz unpreserved        | C             | NA                |                 | 3.2               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14) |
| L2231034-09A        | Plastic 2oz unpreserved for TS | C             | NA                |                 | 3.2               | Y           | Absent      |                         | A2-TS(7)              |
| L2231034-09B        | Plastic 8oz unpreserved        | C             | NA                |                 | 3.2               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14) |

**Project Name:** 40-40 NORTHERN BLVD

**Project Number:** 3883.0001Y000

Serial\_No:06272211:21

**Lab Number:** L2231034

**Report Date:** 06/27/22

**Container Information**

| <b>Container ID</b> | <b>Container Type</b>          | <b>Cooler</b> | <b>Initial pH</b> | <b>Final pH</b> | <b>Temp deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen Date/Time</b> | <b>Analysis(*)</b>    |
|---------------------|--------------------------------|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|-----------------------|
| L2231034-10A        | Plastic 2oz unpreserved for TS | C             | NA                |                 | 3.2               | Y           | Absent      |                         | A2-TS(7)              |
| L2231034-10B        | Plastic 8oz unpreserved        | C             | NA                |                 | 3.2               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14) |
| L2231034-11A        | Plastic 2oz unpreserved for TS | C             | NA                |                 | 3.2               | Y           | Absent      |                         | A2-TS(7)              |
| L2231034-11B        | Plastic 8oz unpreserved        | C             | NA                |                 | 3.2               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14) |
| L2231034-12A        | Plastic 2oz unpreserved for TS | C             | NA                |                 | 3.2               | Y           | Absent      |                         | A2-TS(7)              |
| L2231034-12B        | Plastic 8oz unpreserved        | C             | NA                |                 | 3.2               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14) |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

Serial\_No:06272211:21  
**Lab Number:** L2231034  
**Report Date:** 06/27/22

### PFAS PARAMETER SUMMARY

| Parameter   | Acronym      | CAS Number  |
|---|--------------|-------------|
| <b>PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)</b>                          |              |             |
| Perfluorooctadecanoic Acid  | PFODA        | 16517-11-6  |
| Perfluorohexadecanoic Acid  | PFHxDA       | 67905-19-5  |
| Perfluorotetradecanoic Acid   | PFTA         | 376-06-7    |
| Perfluorotridecanoic Acid   | PFTrDA       | 72629-94-8  |
| Perfluorododecanoic Acid  | PFDoA        | 307-55-1    |
| Perfluoroundecanoic Acid  | PFUnA        | 2058-94-8   |
| Perfluorodecanoic Acid  | PFDA         | 335-76-2    |
| Perfluorononanoic Acid  | PFNA         | 375-95-1    |
| Perfluorooctanoic Acid  | PFOA         | 335-67-1    |
| Perfluoroheptanoic Acid   | PFHpA        | 375-85-9    |
| Perfluorohexanoic Acid  | PFHxA        | 307-24-4    |
| Perfluoropentanoic Acid   | PFPeA        | 2706-90-3   |
| Perfluorobutanoic Acid  | PFBA         | 375-22-4    |
| <b>PERFLUOROALKYL SULFONIC ACIDS (PFSAs)</b>                            |              |             |
| Perfluorododecanesulfonic Acid  | PFDoDS       | 79780-39-5  |
| Perfluorodecanesulfonic Acid  | PFDS         | 335-77-3    |
| Perfluorononanesulfonic Acid  | PFNS         | 68259-12-1  |
| Perfluorooctanesulfonic Acid  | PFOS         | 1763-23-1   |
| Perfluoroheptanesulfonic Acid   | PFHpS        | 375-92-8    |
| Perfluorohexanesulfonic Acid  | PFHxS        | 355-46-4    |
| Perfluoropentanesulfonic Acid   | PFPeS        | 2706-91-4   |
| Perfluorobutanesulfonic Acid  | PFBS         | 375-73-5    |
| <b>FLUOROTELOMERS</b>   |              |             |
| 1H,1H,2H,2H-Perfluorododecanesulfonic Acid                              | 10:2FTS      | 120226-60-0 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid                                | 8:2FTS       | 39108-34-4  |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid                                | 6:2FTS       | 27619-97-2  |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid                                | 4:2FTS       | 757124-72-4 |
| <b>PERFLUOROALKANE SULFONAMIDES (FASAs)</b>                             |              |             |
| Perfluorooctanesulfonamide  | FOSA         | 754-91-6    |
| N-Ethyl Perfluorooctane Sulfonamide                                     | NEtFOSA      | 4151-50-2   |
| N-Methyl Perfluorooctane Sulfonamide                                    | NMeFOSA      | 31506-32-8  |
| <b>PERFLUOROALKANE SULFONYL SUBSTANCES</b>                              |              |             |
| N-Ethyl Perfluorooctanesulfonamido Ethanol                              | NEtFOSE      | 1691-99-2   |
| N-Methyl Perfluorooctanesulfonamido Ethanol                             | NMeFOSE      | 24448-09-7  |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid                           | NEtFOSAA     | 2991-50-6   |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid                          | NMeFOSAA     | 2355-31-9   |
| <b>PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS</b>                  |              |             |
| 2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid | HFPO-DA      | 13252-13-6  |
| 4,8-Dioxa-3h-Perfluorononanoic Acid                                     | ADONA        | 919005-14-4 |
| <b>CHLORO-PERFLUOROALKYL SULFONIC ACIDS</b>                             |              |             |
| 11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid                      | 11Cl-PF3OUdS | 763051-92-9 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid                        | 9Cl-PF3ONS   | 756426-58-1 |
| <b>PERFLUOROETHER SULFONIC ACIDS (PFESAs)</b>                           |              |             |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid                                  | PFEEESA      | 113507-82-7 |
| <b>PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)</b>               |              |             |
| Perfluoro-3-Methoxypropanoic Acid                                       | PFMPA        | 377-73-1    |
| Perfluoro-4-Methoxybutanoic Acid  | PFMBA        | 863090-89-5 |
| Nonafluoro-3,6-Dioxaheptanoic Acid                                      | NFDHA        | 151772-58-6 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

## GLOSSARY

### Acronyms

|          |  |
|----------|--|
| DL       | - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  |
| EDL      | - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).   |
| EMPC     | - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.   |
| EPA      | - Environmental Protection Agency.   |
| LCS      | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.  |
| LCSD     | - Laboratory Control Sample Duplicate: Refer to LCS.   |
| LFB      | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.   |
| LOD      | - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)   |
| LOQ      | - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)<br><br>Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) |
| MDL      | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.  |
| MS       | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.  |
| MSD      | - Matrix Spike Sample Duplicate: Refer to MS.  |
| NA       | - Not Applicable.  |
| NC       | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.   |
| NDPA/DPA | - N-Nitrosodiphenylamine/Diphenylamine.  |
| NI       | - Not Ignitable.   |
| NP       | - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.  |
| NR       | - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.  |
| RL       | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.   |
| RPD      | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.  |
| SRM      | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.   |
| STLP     | - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.  |
| TEF      | - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.   |
| TEQ      | - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.  |
| TIC      | - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.  |

Report Format: DU Report with 'J' Qualifiers





**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Chlordane:** The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Gasoline Range Organics (GRO):** Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

#### **Data Qualifiers**

Identified Compounds (TICs).

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231034  
**Report Date:** 06/27/22

## REFERENCES

- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

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The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 625/625.1:** alpha-Terpineol

**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**Biological Tissue Matrix:** EPA 3050B

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The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LCHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

**SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

**EPA 522, EPA 537.1.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1 Hg.**

**SM2340B**

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For a complete listing of analytes and methods, please contact your Alpha Project Manager.

**ALPHA**  
NEW YORK CHAIN OF CUSTODY

**Service Centers**  
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5  
Albany, NY 12205: 14 Walker Way  
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2  
Date Rec'd in Lab 6/10/22  
ALPHA Job # 22231034

Westborough, MA 01581  
8 Walkup Dr.  
TEL: 508-898-9220  
FAX: 508-898-9193

Mansfield, MA 02048  
320 Forbes Blvd  
TEL: 508-822-9300  
FAX: 508-822-3288

**Project Information**  
Project Name: 40-40 Northern Blvd  
Project Location: 40-40 Northern Blvd  
Project # 3883.0001Y000  
(Use Project name as Project #)

**Client Information**  
Client: RAX  
Address: 209 Shafter St  
Islandia NY 11749  
Phone: 631-232-2600  
Fax:  
Email: ebutler@raxinc.com

**Project Manager:** Emily Butler  
**ALPHAQuote #:**  
**Turn-Around Time**  
Standard  Due Date:  
Rush (only if pre approved)  # of Days:

**Deliverables**  
 ASP-A  ASP-B  
 EquiS (1 File)  EquiS (4 File)  
 Other

**Billing Information**  
 Same as Client Info  
PO #

**Regulatory Requirement**  
 NY TOGS  NY Part 375  
 AWQ Standards  NY CP-51  
 NY Restricted Use  Other  
 NY Unrestricted Use  
 NYC Sewer Discharge

**Disposal Site Information**  
Please identify below location of applicable disposal facilities.  
Disposal Facility:  
 NJ  NY  
 Other:

These samples have been previously analyzed by Alpha   
**Other project specific requirements/comments:**  
Cat B Deliverables  
Please specify Metals or TAL.

**ANALYSIS**

| ALPHA Lab ID<br>(Lab Use Only) | Sample ID      | Collection |      | Sample Matrix | Sampler's Initials | Analysis |   | Sample Filtration | Total Bottles |
|--------------------------------|----------------|------------|------|---------------|--------------------|----------|---|-------------------|---------------|
|                                |                | Date       | Time |               |                    |          |   |                   |               |
| 31034-01                       | FB-061022P     | 6/10/22    | 0905 | W             | LJ                 | X        |   |                   | 1             |
| -02                            | SB017 (0-2)P   |            | 0925 | S             |                    | X        | X |                   | 2             |
| -03                            | SB017 (2-4)P   |            | 0935 |               |                    | X        | X |                   | 2             |
| -04                            | SB016 (0-2)P   |            | 1005 |               |                    | X        | X |                   | 2             |
| -05                            | SB016 (2-4)P   |            | 1015 |               |                    | X        | X |                   | 2             |
| -06                            | SB012 (0-2)P   |            | 1135 |               |                    | X        | X |                   | 2             |
| -07                            | DUP-061022P    |            | 1205 |               |                    | X        | X |                   | 2             |
| -08                            | SB012 (12-14)P |            | 1235 |               |                    | X        | X |                   | 2             |
| -09                            | SB012 (15-17)P |            | 1245 |               |                    | X        | X |                   | 2             |
| -10                            | SB013 (0-2)P   |            | 1415 |               |                    | X        | X |                   | 2             |

NY PHAS via LCM/MS/ISotope Division  
Total Solids SU 2540

**Sample Filtration**  
 Done  
 Lab to do  
**Preservation**  
 Lab to do  
(Please Specify below)  
**Sample Specific Comments**  
Triplicate Volume for MS/MSP

Preservative Code:  
A = None  
B = HCl  
C = HNO<sub>3</sub>  
D = H<sub>2</sub>SO<sub>4</sub>  
E = NaOH  
F = MeOH  
G = NaHSO<sub>4</sub>  
H = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>  
K/E = Zn Ac/NaOH  
O = Other

Container Code:  
P = Plastic  
A = Amber Glass  
V = Vial  
G = Glass  
B = Bacteria Cup  
C = Cube  
O = Other  
E = Encore  
D = BOD Bottle


Westboro: Certification No: MA935  
Mansfield: Certification No: MA015

Container Type P P  
Preservative A A

| Relinquished By: | Date/Time    | Received By: | Date/Time    |
|------------------|--------------|--------------|--------------|
| Lauren Jenkins   | 6/10/22 1525 | [Signature]  | 6/10/22 1530 |
| [Signature]      | 6/10/22 1748 | [Signature]  | 6/10/22 1930 |
| [Signature]      | 6/10         | [Signature]  | 6/10 2115    |
| [Signature]      | 6/10 2348    | [Signature]  | 6/10/22 2345 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

|   |  |  |  |   |   |   |   |  |  |   |  |  |  |  |  |  |   |
|---|--|--|--|---|---|---|---|--|--|---|--|--|--|--|--|--|---|
|   | <b>NEW YORK CHAIN OF CUSTODY</b>   | <b>Service Centers</b><br>Mahwah, NJ 07430: 35 Whitney Rd, Suite 5<br>Albany, NY 12205: 14 Walker Way<br>Tonawanda, NY 14150: 275 Cooper Ave, Suite 105  | Page 2   | Date Rec'd<br>in Lab 6/10/22  | ALPHA Job #<br>L2231034   |   |   |  |  |   |  |  |  |  |  |  |   |
|   |  |  | of 2   |   |   |   |   |  |  |   |  |  |  |  |  |  |   |
| Westborough, MA 01581<br>8 Walkup Dr.<br>TEL: 508-898-9220<br>FAX: 508-898-9193   | Mansfield, MA 02048<br>320 Forbes Blvd<br>TEL: 508-822-9300<br>FAX: 508-822-3288 | <b>Project Information</b><br>Project Name: 40-40 Northern Blvd<br>Project Location: 40-40 Northern Blvd<br>Project # 3883.0001 Y000<br>(Use Project name as Project #) <input type="checkbox"/>       |  | <b>Deliverables</b><br><input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B<br><input type="checkbox"/> EquS (1 File) <input type="checkbox"/> EquS (4 File)<br><input type="checkbox"/> Other  | <b>Billing Information</b><br><input checked="" type="checkbox"/> Same as Client Info<br>PO #   |   |   |  |  |   |  |  |  |  |  |  |   |
| <b>Client Information</b><br>Client: Roux<br>Address: 209 Shafter St<br>Islandia NY 11749<br>Phone: (631)-232-2600<br>Fax:<br>Email: ebutler@rouxinc.com  |  | <b>Project Manager:</b> Emily Butler<br>ALPHAQuote #:<br>Turn-Around Time<br>Standard <input checked="" type="checkbox"/> Due Date:<br>Rush (only if pre approved) <input type="checkbox"/> # of Days: |  | <b>Regulatory Requirement</b><br><input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375<br><input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51<br><input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other<br><input type="checkbox"/> NY Unrestricted Use<br><input type="checkbox"/> NYC Sewer Discharge | <b>Disposal Site Information</b><br>Please identify below location of applicable disposal facilities.<br>Disposal Facility:<br><input type="checkbox"/> NJ <input type="checkbox"/> NY<br><input type="checkbox"/> Other: |   |   |  |  |   |  |  |  |  |  |  |   |
| These samples have been previously analyzed by Alpha <input type="checkbox"/>   |  |  | <b>ANALYSIS</b>  |   | <b>Sample Filtration</b><br><input type="checkbox"/> Done<br><input type="checkbox"/> Lab to do<br><b>Preservation</b><br><input type="checkbox"/> Lab to do<br>(Please Specify below)                                    |   |   |  |  |   |  |  |  |  |  |  |   |
| Other project specific requirements/comments:<br>Cat B Deliverables   |  |  | NY PFAAs via LEMSMS Isotopic Dilution<br>Total Solids 5.4 2540 |   | Total Bottles   |   |   |  |  |   |  |  |  |  |  |  |   |
| Please specify Metals or TAL.   |  |  |  |   |   |   |   |  |  |   |  |  |  |  |  |  |   |
| ALPHA Lab ID (Lab Use Only)   | Sample ID  | Collection Date  | Collection Time  | Sample Matrix   | Sampler's Initials  |   |   |  |  |   |  |  |  |  |  |  |   |
| 31034-11  | SB013(10-8)P   | 6/10/22  | 1445   | S   | LJ  | X   | X |  |  |   |  |  |  |  |  |  | 2 |
| -12   | SB013(10-12)P  | ↓  | 1455   | ↓   | ↓   | X   | X |  |  |   |  |  |  |  |  |  | 2 |
| Preservative Code:<br>A = None<br>B = HCl<br>C = HNO <sub>3</sub><br>D = H <sub>2</sub> SO <sub>4</sub><br>E = NaOH<br>F = MeOH<br>G = NaHSO <sub>4</sub><br>H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub><br>K/E = Zn Ac/NaOH<br>O = Other |  | Container Code:<br>P = Plastic<br>A = Amber Glass<br>V = Vial<br>G = Glass<br>B = Bacteria Cup<br>C = Cube<br>O = Other<br>E = Encore<br>D = BOD Bottle  |  | Westboro: Certification No: MA935<br>Mansfield: Certification No: MA015   |   | Container Type: P P<br>Preservative: A A            |   | Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.) |  |   |  |  |  |  |  |  |   |
| Relinquished By: Lauren Jenkins<br>Date/Time: 6/10/22 1525  |  | Received By: [Signature]<br>Date/Time: 6/10/22 1535  |  | Relinquished By: [Signature]<br>Date/Time: 6/10/22 1740   |   | Received By: [Signature]<br>Date/Time: 6/10/22 1930 |   | Relinquished By: [Signature]<br>Date/Time: 6/10/22 2345  |  | Received By: [Signature]<br>Date/Time: 6/10/22 2345 |  |  |  |  |  |  |   |



## ANALYTICAL REPORT

|                 |  |
|-----------------|--|
| Lab Number:     | L2231035   |
| Client:         | Roux Env. Eng. & Geology, DPC<br>209 Shafter Street<br>Islandia, NY 11749-5074 |
| ATTN:           | Emily Butler   |
| Phone:          | (631) 630-2432   |
| Project Name:   | 40-40 NORTHERN BLVD  |
| Project Number: | 3883.0001Y000  |
| Report Date:    | 06/27/22   |

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



Project Name: 40-40 NORTHERN BLVD

Project Number: 3883.0001Y000

Lab Number: L2231035

Report Date: 06/27/22

| Alpha Sample ID | Client ID     | Matrix | Sample Location     | Collection Date/Time | Receive Date |
|-----------------|---------------|--------|---------------------|----------------------|--------------|
| L2231035-01     | FB_061022     | WATER  | 40-40 NORTHERN BLVD | 06/10/22 09:00       | 06/10/22     |
| L2231035-02     | SB017 (0-2)   | SOIL   | 40-40 NORTHERN BLVD | 06/10/22 09:20       | 06/10/22     |
| L2231035-03     | SB017 (2-4)   | SOIL   | 40-40 NORTHERN BLVD | 06/10/22 09:30       | 06/10/22     |
| L2231035-04     | SB016 (0-2)   | SOIL   | 40-40 NORTHERN BLVD | 06/10/22 10:00       | 06/10/22     |
| L2231035-05     | SB016 (2-4)   | SOIL   | 40-40 NORTHERN BLVD | 06/10/22 10:10       | 06/10/22     |
| L2231035-06     | SB012 (0-2)   | SOIL   | 40-40 NORTHERN BLVD | 06/10/22 11:30       | 06/10/22     |
| L2231035-07     | DUP_061022    | SOIL   | 40-40 NORTHERN BLVD | 06/10/22 12:00       | 06/10/22     |
| L2231035-08     | SB012 (12-14) | SOIL   | 40-40 NORTHERN BLVD | 06/10/22 12:30       | 06/10/22     |
| L2231035-09     | SB012 (15-17) | SOIL   | 40-40 NORTHERN BLVD | 06/10/22 12:40       | 06/10/22     |
| L2231035-10     | TB_061022     | WATER  | 40-40 NORTHERN BLVD | 06/10/22 00:00       | 06/10/22     |
| L2231035-11     | SB013 (0-2)   | SOIL   | 40-40 NORTHERN BLVD | 06/10/22 14:10       | 06/10/22     |
| L2231035-12     | SB013 (6-8)   | SOIL   | 40-40 NORTHERN BLVD | 06/10/22 14:40       | 06/10/22     |
| L2231035-13     | SB013 (10-12) | SOIL   | 40-40 NORTHERN BLVD | 06/10/22 14:55       | 06/10/22     |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

**HOLD POLICY** - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

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**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

### Case Narrative (continued)

#### Report Submission

June 27, 2022: This final report includes the results of all requested analyses.

June 16, 2022: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Sample Receipt

L2231035-13: The collection date and time on the chain of custody was 10-JUN-22 14:55; however, the collection date/time on the container label was 10-JUN-22 14:50. At the client's request, the collection date/time is reported as 10-JUN-22 14:55.

#### Volatile Organics

L2231035-02: The surrogate recovery is below the acceptance criteria for dibromofluoromethane (69%), possibly due to the matrix effect caused by the high pH of the sample (>10).

L2231035-04: The surrogate recovery is below the acceptance criteria for dibromofluoromethane (28%), possibly due to the matrix effect caused by the high pH of the sample (>10).

The WG1650798-6/-7 MS/MSD recoveries, performed on L2231035-04, are below the acceptance criteria for 1,1,2,2-tetrachloroethane (0%/0%) due to the concentration of this compound in the MS/MSD falling below the reported detection limit.

#### Semivolatile Organics

L2231035-02: The surrogate recoveries were outside the acceptance criteria for 2-fluorophenol (2%) and 2,4,6-tribromophenol (0%); however, re-extraction achieved similar results: 2-fluorophenol (17%) and 2,4,6-tribromophenol (3%). The results of the original extraction are reported.

L2231035-04: The surrogate recoveries were outside the acceptance criteria for 2-fluorophenol (7%) and 2,4,6-tribromophenol (1%); however, the recoveries were confirmed by the MS/MSD performed on this sample;

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

### Case Narrative (continued)

therefore, re-extraction was not required.

The WG1649496-2/-3 LCS/LCSD recoveries, associated with L2231035-02 through -09, -11, -12, and -13, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

The WG1649496-4/-5 MS/MSD recoveries, performed on L2231035-04, are below the acceptance criteria for 2,4,6-trichlorophenol (MSD 0%), 4-nitrophenol (0%/0%), 2,4-dinitrophenol (0%/0%), 4,6-dinitro-o-cresol (0%/0%), pentachlorophenol (0%/0%), and benzoic acid (0%/0%) due to the concentrations of these compounds in the MS/MSD falling below the reported detection limits.

#### Pesticides

L2231035-02: The internal standard (IS) response for 1-bromo-2-nitrobenzene (446%) was above the acceptance criteria on column A; however, the sample was not re-analyzed due to obvious interferences. The surrogate recoveries are outside the method acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (13%) and decachlorobiphenyl (13%) due to interference with the Internal Standard.

L2231035-06D, -07D, and -11D: The sample has elevated detection limits due to the dilution required by the sample matrix.

#### Total Metals

L2231035-02 through -09, -11, -12 and -13: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1651650-2 LCS recovery, associated with L2231035-01, is above the acceptance criteria for mercury (126%); however, the associated sample is non-detect to the RL for this target analyte. The results of the original analysis are reported.

The WG1652120-3/-4 MS/MSD recoveries, performed on L2231035-04, are outside the acceptance criteria for antimony (69%/66%), barium (74%MS) and copper (167%MSD). A post digestion spike was performed and was within acceptance criteria.

The WG1652120-3/-4 MS/MSD recoveries for aluminum (0%/0%), calcium (1350%/936%) and iron

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

### Case Narrative (continued)

(4220%/5070%), performed on L2231035-04, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1652120-3/-4 MS/MSD recoveries, performed on L2231035-04, are outside the acceptance criteria for manganese (127%/126%). A post digestion spike was performed and yielded unacceptable recoveries for manganese (78%/78%). The serial dilution recovery was acceptable; therefore, the matrix test passed for the sample matrix.

The WG1652120-4 MSD recovery, performed on L2231035-04, are outside the acceptance criteria for magnesium (70%). A post digestion spike was performed and yielded an unacceptable recovery for magnesium (75%). The serial dilution recovery was acceptable; therefore, the matrix test passed for the sample matrix.

The WG1652120-4 MSD recovery, performed on L2231035-04, is outside the acceptance criteria for zinc (128%). A post digestion spike was performed and yielded an unacceptable recovery for zinc (78%). The serial dilution recovery was not applicable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.

The WG1652120-3/-4 MS/MSD RPD for copper (23%), performed on L2231035-04, is above the acceptance criteria.

The WG1651650-3 MS recovery, performed on L2231035-01, is outside the acceptance criteria for mercury (129%). A post digestion spike was performed and was within acceptance criteria.

The WG1652123-3/-4 MS/MSD recoveries, performed on L2231035-04, are outside the acceptance criteria for mercury (72%/69%). A post digestion spike was performed and was within acceptance criteria.

#### Cyanide, Total

The WG1650471-3 LCSD recovery for cyanide, total (72%), associated with L2231035-02, -03, -04, -05, -06, -07, -08, -09, -11, and -12, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

The WG1650473-3 LCSD recovery for cyanide, total (72%), associated with L2231035-13, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Caitlin Walukevich

Title: Technical Director/Representative

Date: 06/27/22

# ORGANICS

# VOLATILES

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-01  
**Client ID:** FB\_061022  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 09:00  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8260C  
**Analytical Date:** 06/14/22 10:52  
**Analyst:** MV

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by GC/MS - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride                                  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,1-Dichloroethane                                  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Chloroform  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Carbon tetrachloride                                | ND     |           | ug/l  | 0.50 | 0.13 | 1               |
| 1,2-Dichloropropane                                 | ND     |           | ug/l  | 1.0  | 0.14 | 1               |
| Dibromochloromethane                                | ND     |           | ug/l  | 0.50 | 0.15 | 1               |
| 1,1,2-Trichloroethane                               | ND     |           | ug/l  | 1.5  | 0.50 | 1               |
| Tetrachloroethene                                   | 0.18   | J         | ug/l  | 0.50 | 0.18 | 1               |
| Chlorobenzene                                       | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Trichlorofluoromethane                              | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dichloroethane                                  | ND     |           | ug/l  | 0.50 | 0.13 | 1               |
| 1,1,1-Trichloroethane                               | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromodichloromethane                                | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| trans-1,3-Dichloropropene                           | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| cis-1,3-Dichloropropene                             | ND     |           | ug/l  | 0.50 | 0.14 | 1               |
| 1,3-Dichloropropene, Total                          | ND     |           | ug/l  | 0.50 | 0.14 | 1               |
| 1,1-Dichloropropene                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromoform   | ND     |           | ug/l  | 2.0  | 0.65 | 1               |
| 1,1,1,2,2-Tetrachloroethane                         | ND     |           | ug/l  | 0.50 | 0.17 | 1               |
| Benzene   | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| Toluene   | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Ethylbenzene  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Chloromethane                                       | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromomethane  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Vinyl chloride                                      | ND     |           | ug/l  | 1.0  | 0.07 | 1               |
| Chloroethane  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,1-Dichloroethene                                  | ND     |           | ug/l  | 0.50 | 0.17 | 1               |
| trans-1,2-Dichloroethene                            | ND     |           | ug/l  | 2.5  | 0.70 | 1               |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2231035**Project Number:** 3883.0001Y000**Report Date:** 06/27/22**SAMPLE RESULTS**

Lab ID: L2231035-01

Date Collected: 06/10/22 09:00

Client ID: FB\_061022

Date Received: 06/10/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by GC/MS - Westborough Lab</b> |        |           |       |      |      |                 |
| Trichloroethene                                     | ND     |           | ug/l  | 0.50 | 0.18 | 1               |
| 1,2-Dichlorobenzene                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,3-Dichlorobenzene                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,4-Dichlorobenzene                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Methyl tert butyl ether                             | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| p/m-Xylene  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| o-Xylene  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Xylenes, Total                                      | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| cis-1,2-Dichloroethene                              | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dichloroethene, Total                           | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Dibromomethane                                      | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 1,2,3-Trichloropropane                              | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Acrylonitrile                                       | ND     |           | ug/l  | 5.0  | 1.5  | 1               |
| Styrene   | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Dichlorodifluoromethane                             | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| Acetone   | ND     |           | ug/l  | 5.0  | 1.5  | 1               |
| Carbon disulfide                                    | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 2-Butanone  | ND     |           | ug/l  | 5.0  | 1.9  | 1               |
| Vinyl acetate                                       | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 4-Methyl-2-pentanone                                | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 2-Hexanone  | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| Bromochloromethane                                  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 2,2-Dichloropropane                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dibromoethane                                   | ND     |           | ug/l  | 2.0  | 0.65 | 1               |
| 1,3-Dichloropropane                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,1,1,2-Tetrachloroethane                           | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromobenzene  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| n-Butylbenzene                                      | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| sec-Butylbenzene                                    | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| tert-Butylbenzene                                   | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| o-Chlorotoluene                                     | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| p-Chlorotoluene                                     | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dibromo-3-chloropropane                         | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Hexachlorobutadiene                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Isopropylbenzene                                    | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| p-Isopropyltoluene                                  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Naphthalene   | ND     |           | ug/l  | 2.5  | 0.70 | 1               |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-01  
**Client ID:** FB\_061022  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 09:00  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| <b>Volatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,3,5-Trimethylbenzene                              | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,2,4-Trimethylbenzene                              | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,4-Dioxane   | ND     |           | ug/l  | 250 | 61.  | 1               |
| p-Diethylbenzene                                    | ND     |           | ug/l  | 2.0 | 0.70 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/l  | 2.0 | 0.70 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | ND     |           | ug/l  | 2.0 | 0.54 | 1               |
| Ethyl ether   | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/l  | 2.5 | 0.70 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 105        |           | 70-130              |
| Toluene-d8            | 102        |           | 70-130              |
| 4-Bromofluorobenzene  | 95         |           | 70-130              |
| Dibromofluoromethane  | 105        |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-02  
**Client ID:** SB017 (0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 09:20  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 06/16/22 00:03  
**Analyst:** LAC  
**Percent Solids:** 92%

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride   | ND     |           | ug/kg | 7.1  | 3.3  | 1               |
| 1,1-Dichloroethane   | ND     |           | ug/kg | 1.4  | 0.21 | 1               |
| Chloroform   | ND     |           | ug/kg | 2.1  | 0.20 | 1               |
| Carbon tetrachloride                                       | ND     |           | ug/kg | 1.4  | 0.33 | 1               |
| 1,2-Dichloropropane  | ND     |           | ug/kg | 1.4  | 0.18 | 1               |
| Dibromochloromethane                                       | ND     |           | ug/kg | 1.4  | 0.20 | 1               |
| 1,1,2-Trichloroethane                                      | ND     |           | ug/kg | 1.4  | 0.38 | 1               |
| Tetrachloroethene  | 6.5    |           | ug/kg | 0.71 | 0.28 | 1               |
| Trichlorofluoromethane                                     | ND     |           | ug/kg | 5.7  | 0.99 | 1               |
| 1,2-Dichloroethane   | ND     |           | ug/kg | 1.4  | 0.36 | 1               |
| 1,1,1-Trichloroethane                                      | 0.88   |           | ug/kg | 0.71 | 0.24 | 1               |
| Bromodichloromethane                                       | ND     |           | ug/kg | 0.71 | 0.16 | 1               |
| trans-1,3-Dichloropropene                                  | ND     |           | ug/kg | 1.4  | 0.39 | 1               |
| cis-1,3-Dichloropropene                                    | ND     |           | ug/kg | 0.71 | 0.22 | 1               |
| 1,3-Dichloropropene, Total                                 | ND     |           | ug/kg | 0.71 | 0.22 | 1               |
| 1,1-Dichloropropene  | ND     |           | ug/kg | 0.71 | 0.23 | 1               |
| Bromoform  | ND     |           | ug/kg | 5.7  | 0.35 | 1               |
| 1,1,2,2-Tetrachloroethane                                  | ND     |           | ug/kg | 0.71 | 0.24 | 1               |
| Benzene  | ND     |           | ug/kg | 0.71 | 0.24 | 1               |
| Toluene  | ND     |           | ug/kg | 1.4  | 0.77 | 1               |
| Ethylbenzene   | ND     |           | ug/kg | 1.4  | 0.20 | 1               |
| Chloromethane  | ND     |           | ug/kg | 5.7  | 1.3  | 1               |
| Bromomethane   | ND     |           | ug/kg | 2.8  | 0.83 | 1               |
| Vinyl chloride   | ND     |           | ug/kg | 1.4  | 0.48 | 1               |
| Chloroethane   | ND     |           | ug/kg | 2.8  | 0.64 | 1               |
| 1,1-Dichloroethene   | ND     |           | ug/kg | 1.4  | 0.34 | 1               |
| trans-1,2-Dichloroethene                                   | ND     |           | ug/kg | 2.1  | 0.20 | 1               |
| Trichloroethene  | 34     |           | ug/kg | 0.71 | 0.20 | 1               |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

## SAMPLE RESULTS

Lab ID: L2231035-02

Date Collected: 06/10/22 09:20

Client ID: SB017 (0-2)

Date Received: 06/10/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |      |                 |
| Methyl tert butyl ether                             | ND     |           | ug/kg | 2.8  | 0.29 | 1               |
| p/m-Xylene  | ND     |           | ug/kg | 2.8  | 0.80 | 1               |
| o-Xylene  | 0.60   | J         | ug/kg | 1.4  | 0.41 | 1               |
| Xylenes, Total                                      | 0.60   | J         | ug/kg | 1.4  | 0.41 | 1               |
| cis-1,2-Dichloroethene                              | ND     |           | ug/kg | 1.4  | 0.25 | 1               |
| 1,2-Dichloroethene, Total                           | ND     |           | ug/kg | 1.4  | 0.20 | 1               |
| Dibromomethane                                      | ND     |           | ug/kg | 2.8  | 0.34 | 1               |
| Styrene   | ND     |           | ug/kg | 1.4  | 0.28 | 1               |
| Dichlorodifluoromethane                             | ND     |           | ug/kg | 14   | 1.3  | 1               |
| Acetone   | 120    |           | ug/kg | 14   | 6.8  | 1               |
| Carbon disulfide                                    | ND     |           | ug/kg | 14   | 6.5  | 1               |
| 2-Butanone  | 8.4    | J         | ug/kg | 14   | 3.2  | 1               |
| Vinyl acetate                                       | ND     |           | ug/kg | 14   | 3.1  | 1               |
| 4-Methyl-2-pentanone                                | ND     |           | ug/kg | 14   | 1.8  | 1               |
| 1,2,3-Trichloropropane                              | ND     |           | ug/kg | 2.8  | 0.18 | 1               |
| 2-Hexanone  | ND     |           | ug/kg | 14   | 1.7  | 1               |
| Bromochloromethane                                  | ND     |           | ug/kg | 2.8  | 0.29 | 1               |
| 2,2-Dichloropropane                                 | ND     |           | ug/kg | 2.8  | 0.29 | 1               |
| 1,2-Dibromoethane                                   | ND     |           | ug/kg | 1.4  | 0.40 | 1               |
| 1,3-Dichloropropane                                 | ND     |           | ug/kg | 2.8  | 0.24 | 1               |
| 1,1,1,2-Tetrachloroethane                           | ND     |           | ug/kg | 0.71 | 0.19 | 1               |
| Bromobenzene  | ND     |           | ug/kg | 2.8  | 0.21 | 1               |
| n-Butylbenzene                                      | 2.6    |           | ug/kg | 1.4  | 0.24 | 1               |
| tert-Butylbenzene                                   | 0.22   | J         | ug/kg | 2.8  | 0.17 | 1               |
| p-Chlorotoluene                                     | 5.7    |           | ug/kg | 2.8  | 0.15 | 1               |
| 1,2-Dibromo-3-chloropropane                         | ND     |           | ug/kg | 4.3  | 1.4  | 1               |
| Hexachlorobutadiene                                 | ND     |           | ug/kg | 5.7  | 0.24 | 1               |
| Naphthalene   | 31     |           | ug/kg | 5.7  | 0.92 | 1               |
| Acrylonitrile                                       | ND     |           | ug/kg | 5.7  | 1.6  | 1               |
| 1,2,3-Trichlorobenzene                              | 4.1    |           | ug/kg | 2.8  | 0.46 | 1               |
| 1,2,4-Trichlorobenzene                              | 14     |           | ug/kg | 2.8  | 0.39 | 1               |
| 1,3,5-Trimethylbenzene                              | 6.2    |           | ug/kg | 2.8  | 0.27 | 1               |
| 1,4-Dioxane   | ND     |           | ug/kg | 110  | 50.  | 1               |
| p-Diethylbenzene                                    | 1.4    | J         | ug/kg | 2.8  | 0.25 | 1               |
| p-Ethyltoluene                                      | 9.5    |           | ug/kg | 2.8  | 0.55 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | 5.2    |           | ug/kg | 2.8  | 0.27 | 1               |
| Ethyl ether   | ND     |           | ug/kg | 2.8  | 0.48 | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-02  
 Client ID: SB017 (0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 09:20  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |     |                 |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/kg | 7.1 | 2.0 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 101        |           | 70-130              |
| Toluene-d8            | 105        |           | 70-130              |
| 4-Bromofluorobenzene  | 129        |           | 70-130              |
| Dibromofluoromethane  | 69         | Q         | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-02  
 Client ID: SB017 (0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 09:20  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 06/16/22 14:29  
 Analyst: LAC  
 Percent Solids: 92%

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Chlorobenzene  | ND     |           | ug/kg | 0.72 | 0.18 | 1               |
| 1,2-Dichlorobenzene  | ND     |           | ug/kg | 2.9  | 0.21 | 1               |
| 1,3-Dichlorobenzene  | ND     |           | ug/kg | 2.9  | 0.21 | 1               |
| 1,4-Dichlorobenzene  | ND     |           | ug/kg | 2.9  | 0.25 | 1               |
| sec-Butylbenzene   | ND     |           | ug/kg | 1.4  | 0.21 | 1               |
| o-Chlorotoluene  | ND     |           | ug/kg | 2.9  | 0.28 | 1               |
| Isopropylbenzene   | ND     |           | ug/kg | 1.4  | 0.16 | 1               |
| p-Isopropyltoluene   | ND     |           | ug/kg | 1.4  | 0.16 | 1               |
| n-Propylbenzene  | ND     |           | ug/kg | 1.4  | 0.25 | 1               |
| 1,2,4-Trimethylbenzene                                     | ND     |           | ug/kg | 2.9  | 0.48 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 88         |           | 70-130              |
| Toluene-d8            | 115        |           | 70-130              |
| 4-Bromofluorobenzene  | 132        | Q         | 70-130              |
| Dibromofluoromethane  | 74         |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-03  
 Client ID: SB017 (2-4)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 09:30  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 06/16/22 14:51  
 Analyst: LAC  
 Percent Solids: 93%

| Parameter   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| <b>Volatile Organics by EPA 5035 High - Westborough Lab</b> |        |           |       |     |     |                 |
| Methylene chloride  | ND     |           | ug/kg | 480 | 220 | 1               |
| 1,1-Dichloroethane  | ND     |           | ug/kg | 97  | 14. | 1               |
| Chloroform  | 20     | J         | ug/kg | 140 | 14. | 1               |
| Carbon tetrachloride  | ND     |           | ug/kg | 97  | 22. | 1               |
| 1,2-Dichloropropane   | ND     |           | ug/kg | 97  | 12. | 1               |
| Dibromochloromethane  | ND     |           | ug/kg | 97  | 14. | 1               |
| 1,1,2-Trichloroethane                                       | ND     |           | ug/kg | 97  | 26. | 1               |
| Tetrachloroethene   | 8200   |           | ug/kg | 48  | 19. | 1               |
| Chlorobenzene   | ND     |           | ug/kg | 48  | 12. | 1               |
| Trichlorofluoromethane                                      | ND     |           | ug/kg | 390 | 67. | 1               |
| 1,2-Dichloroethane  | ND     |           | ug/kg | 97  | 25. | 1               |
| 1,1,1-Trichloroethane                                       | 90     |           | ug/kg | 48  | 16. | 1               |
| Bromodichloromethane  | ND     |           | ug/kg | 48  | 10. | 1               |
| trans-1,3-Dichloropropene                                   | ND     |           | ug/kg | 97  | 26. | 1               |
| cis-1,3-Dichloropropene                                     | ND     |           | ug/kg | 48  | 15. | 1               |
| 1,3-Dichloropropene, Total                                  | ND     |           | ug/kg | 48  | 15. | 1               |
| 1,1-Dichloropropene   | ND     |           | ug/kg | 48  | 15. | 1               |
| Bromoform   | ND     |           | ug/kg | 390 | 24. | 1               |
| 1,1,2,2-Tetrachloroethane                                   | ND     |           | ug/kg | 48  | 16. | 1               |
| Benzene   | 53     |           | ug/kg | 48  | 16. | 1               |
| Toluene   | 160    |           | ug/kg | 97  | 52. | 1               |
| Ethylbenzene  | 23     | J         | ug/kg | 97  | 14. | 1               |
| Chloromethane   | ND     |           | ug/kg | 390 | 90. | 1               |
| Bromomethane  | ND     |           | ug/kg | 190 | 56. | 1               |
| Vinyl chloride  | ND     |           | ug/kg | 97  | 32. | 1               |
| Chloroethane  | ND     |           | ug/kg | 190 | 44. | 1               |
| 1,1-Dichloroethene  | ND     |           | ug/kg | 97  | 23. | 1               |
| trans-1,2-Dichloroethene                                    | ND     |           | ug/kg | 140 | 13. | 1               |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2231035**Project Number:** 3883.0001Y000**Report Date:** 06/27/22**SAMPLE RESULTS**

Lab ID: L2231035-03  
 Client ID: SB017 (2-4)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 09:30  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| <b>Volatiles Organics by EPA 5035 High - Westborough Lab</b> |        |           |       |     |     |                 |
| Trichloroethene  | 21000  |           | ug/kg | 48  | 13. | 1               |
| 1,2-Dichlorobenzene  | 40     | J         | ug/kg | 190 | 14. | 1               |
| 1,3-Dichlorobenzene  | ND     |           | ug/kg | 190 | 14. | 1               |
| 1,4-Dichlorobenzene  | 22     | J         | ug/kg | 190 | 16. | 1               |
| Methyl tert butyl ether                                      | ND     |           | ug/kg | 190 | 19. | 1               |
| p/m-Xylene   | 160    | J         | ug/kg | 190 | 54. | 1               |
| o-Xylene   | 110    |           | ug/kg | 97  | 28. | 1               |
| Xylenes, Total   | 270    | J         | ug/kg | 97  | 28. | 1               |
| cis-1,2-Dichloroethene                                       | ND     |           | ug/kg | 97  | 17. | 1               |
| 1,2-Dichloroethene, Total                                    | ND     |           | ug/kg | 97  | 13. | 1               |
| Dibromomethane   | ND     |           | ug/kg | 190 | 23. | 1               |
| Styrene  | ND     |           | ug/kg | 97  | 19. | 1               |
| Dichlorodifluoromethane                                      | ND     |           | ug/kg | 970 | 88. | 1               |
| Acetone  | ND     |           | ug/kg | 970 | 460 | 1               |
| Carbon disulfide   | ND     |           | ug/kg | 970 | 440 | 1               |
| 2-Butanone   | ND     |           | ug/kg | 970 | 210 | 1               |
| Vinyl acetate  | ND     |           | ug/kg | 970 | 210 | 1               |
| 4-Methyl-2-pentanone   | ND     |           | ug/kg | 970 | 120 | 1               |
| 1,2,3-Trichloropropane                                       | ND     |           | ug/kg | 190 | 12. | 1               |
| 2-Hexanone   | ND     |           | ug/kg | 970 | 110 | 1               |
| Bromochloromethane   | ND     |           | ug/kg | 190 | 20. | 1               |
| 2,2-Dichloropropane  | ND     |           | ug/kg | 190 | 20. | 1               |
| 1,2-Dibromoethane  | ND     |           | ug/kg | 97  | 27. | 1               |
| 1,3-Dichloropropane  | ND     |           | ug/kg | 190 | 16. | 1               |
| 1,1,1,2-Tetrachloroethane                                    | ND     |           | ug/kg | 48  | 13. | 1               |
| Bromobenzene   | ND     |           | ug/kg | 190 | 14. | 1               |
| n-Butylbenzene   | ND     |           | ug/kg | 97  | 16. | 1               |
| sec-Butylbenzene   | ND     |           | ug/kg | 97  | 14. | 1               |
| tert-Butylbenzene  | ND     |           | ug/kg | 190 | 11. | 1               |
| o-Chlorotoluene  | ND     |           | ug/kg | 190 | 18. | 1               |
| p-Chlorotoluene  | ND     |           | ug/kg | 190 | 10. | 1               |
| 1,2-Dibromo-3-chloropropane                                  | ND     |           | ug/kg | 290 | 96. | 1               |
| Hexachlorobutadiene  | ND     |           | ug/kg | 390 | 16. | 1               |
| Isopropylbenzene   | 17     | J         | ug/kg | 97  | 10. | 1               |
| p-Isopropyltoluene   | ND     |           | ug/kg | 97  | 10. | 1               |
| Naphthalene  | 160    | J         | ug/kg | 390 | 63. | 1               |
| Acrylonitrile  | ND     |           | ug/kg | 390 | 110 | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-03  
**Client ID:** SB017 (2-4)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 09:30  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 High - Westborough Lab |        |           |       |      |      |                 |
| n-Propylbenzene                                      | 22     | J         | ug/kg | 97   | 16.  | 1               |
| 1,2,3-Trichlorobenzene                               | ND     |           | ug/kg | 190  | 31.  | 1               |
| 1,2,4-Trichlorobenzene                               | ND     |           | ug/kg | 190  | 26.  | 1               |
| 1,3,5-Trimethylbenzene                               | 38     | J         | ug/kg | 190  | 19.  | 1               |
| 1,2,4-Trimethylbenzene                               | 82     | J         | ug/kg | 190  | 32.  | 1               |
| 1,4-Dioxane  | ND     |           | ug/kg | 7700 | 3400 | 1               |
| p-Diethylbenzene                                     | 21     | J         | ug/kg | 190  | 17.  | 1               |
| p-Ethyltoluene                                       | ND     |           | ug/kg | 190  | 37.  | 1               |
| 1,2,4,5-Tetramethylbenzene                           | ND     |           | ug/kg | 190  | 18.  | 1               |
| Ethyl ether  | ND     |           | ug/kg | 190  | 33.  | 1               |
| trans-1,4-Dichloro-2-butene                          | ND     |           | ug/kg | 480  | 140  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 101        |           | 70-130              |
| Toluene-d8            | 98         |           | 70-130              |
| 4-Bromofluorobenzene  | 102        |           | 70-130              |
| Dibromofluoromethane  | 98         |           | 70-130              |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-04  
**Client ID:** SB016 (0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 10:00  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 06/14/22 22:35  
**Analyst:** JC  
**Percent Solids:** 93%

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride   | ND     |           | ug/kg | 6.8  | 3.1  | 1               |
| 1,1-Dichloroethane   | ND     |           | ug/kg | 1.4  | 0.20 | 1               |
| Chloroform   | ND     |           | ug/kg | 2.0  | 0.19 | 1               |
| Carbon tetrachloride                                       | ND     |           | ug/kg | 1.4  | 0.31 | 1               |
| 1,2-Dichloropropane  | ND     |           | ug/kg | 1.4  | 0.17 | 1               |
| Dibromochloromethane                                       | ND     |           | ug/kg | 1.4  | 0.19 | 1               |
| 1,1,2-Trichloroethane                                      | ND     |           | ug/kg | 1.4  | 0.36 | 1               |
| Tetrachloroethene  | ND     |           | ug/kg | 0.68 | 0.26 | 1               |
| Chlorobenzene  | ND     |           | ug/kg | 0.68 | 0.17 | 1               |
| Trichlorofluoromethane                                     | ND     |           | ug/kg | 5.4  | 0.94 | 1               |
| 1,2-Dichloroethane   | ND     |           | ug/kg | 1.4  | 0.35 | 1               |
| 1,1,1-Trichloroethane                                      | ND     |           | ug/kg | 0.68 | 0.22 | 1               |
| Bromodichloromethane                                       | ND     |           | ug/kg | 0.68 | 0.15 | 1               |
| trans-1,3-Dichloropropene                                  | ND     |           | ug/kg | 1.4  | 0.37 | 1               |
| cis-1,3-Dichloropropene                                    | ND     |           | ug/kg | 0.68 | 0.21 | 1               |
| 1,3-Dichloropropene, Total                                 | ND     |           | ug/kg | 0.68 | 0.21 | 1               |
| 1,1-Dichloropropene  | ND     |           | ug/kg | 0.68 | 0.21 | 1               |
| Bromoform  | ND     |           | ug/kg | 5.4  | 0.33 | 1               |
| 1,1,2,2-Tetrachloroethane                                  | ND     |           | ug/kg | 0.68 | 0.22 | 1               |
| Benzene  | ND     |           | ug/kg | 0.68 | 0.22 | 1               |
| Toluene  | ND     |           | ug/kg | 1.4  | 0.73 | 1               |
| Ethylbenzene   | ND     |           | ug/kg | 1.4  | 0.19 | 1               |
| Chloromethane  | ND     |           | ug/kg | 5.4  | 1.2  | 1               |
| Bromomethane   | ND     |           | ug/kg | 2.7  | 0.78 | 1               |
| Vinyl chloride   | ND     |           | ug/kg | 1.4  | 0.45 | 1               |
| Chloroethane   | ND     |           | ug/kg | 2.7  | 0.61 | 1               |
| 1,1-Dichloroethene   | ND     |           | ug/kg | 1.4  | 0.32 | 1               |
| trans-1,2-Dichloroethene                                   | ND     |           | ug/kg | 2.0  | 0.18 | 1               |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2231035**Project Number:** 3883.0001Y000**Report Date:** 06/27/22**SAMPLE RESULTS**

Lab ID: L2231035-04

Date Collected: 06/10/22 10:00

Client ID: SB016 (0-2)

Date Received: 06/10/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| <b>Volatiles Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Trichloroethene   | ND     |           | ug/kg | 0.68 | 0.18 | 1               |
| 1,2-Dichlorobenzene   | ND     |           | ug/kg | 2.7  | 0.19 | 1               |
| 1,3-Dichlorobenzene   | ND     |           | ug/kg | 2.7  | 0.20 | 1               |
| 1,4-Dichlorobenzene   | ND     |           | ug/kg | 2.7  | 0.23 | 1               |
| Methyl tert butyl ether                                     | ND     |           | ug/kg | 2.7  | 0.27 | 1               |
| p/m-Xylene  | ND     |           | ug/kg | 2.7  | 0.76 | 1               |
| o-Xylene  | ND     |           | ug/kg | 1.4  | 0.39 | 1               |
| Xylenes, Total  | ND     |           | ug/kg | 1.4  | 0.39 | 1               |
| cis-1,2-Dichloroethene                                      | ND     |           | ug/kg | 1.4  | 0.24 | 1               |
| 1,2-Dichloroethene, Total                                   | ND     |           | ug/kg | 1.4  | 0.18 | 1               |
| Dibromomethane  | ND     |           | ug/kg | 2.7  | 0.32 | 1               |
| Styrene   | ND     |           | ug/kg | 1.4  | 0.26 | 1               |
| Dichlorodifluoromethane                                     | ND     |           | ug/kg | 14   | 1.2  | 1               |
| Acetone   | 39     |           | ug/kg | 14   | 6.5  | 1               |
| Carbon disulfide  | ND     |           | ug/kg | 14   | 6.1  | 1               |
| 2-Butanone  | ND     |           | ug/kg | 14   | 3.0  | 1               |
| Vinyl acetate   | ND     |           | ug/kg | 14   | 2.9  | 1               |
| 4-Methyl-2-pentanone  | ND     |           | ug/kg | 14   | 1.7  | 1               |
| 1,2,3-Trichloropropane                                      | ND     |           | ug/kg | 2.7  | 0.17 | 1               |
| 2-Hexanone  | ND     |           | ug/kg | 14   | 1.6  | 1               |
| Bromochloromethane  | ND     |           | ug/kg | 2.7  | 0.28 | 1               |
| 2,2-Dichloropropane   | ND     |           | ug/kg | 2.7  | 0.27 | 1               |
| 1,2-Dibromoethane   | ND     |           | ug/kg | 1.4  | 0.38 | 1               |
| 1,3-Dichloropropane   | ND     |           | ug/kg | 2.7  | 0.22 | 1               |
| 1,1,1,2-Tetrachloroethane                                   | ND     |           | ug/kg | 0.68 | 0.18 | 1               |
| Bromobenzene  | ND     |           | ug/kg | 2.7  | 0.20 | 1               |
| n-Butylbenzene  | ND     |           | ug/kg | 1.4  | 0.22 | 1               |
| sec-Butylbenzene  | ND     |           | ug/kg | 1.4  | 0.20 | 1               |
| tert-Butylbenzene   | ND     |           | ug/kg | 2.7  | 0.16 | 1               |
| o-Chlorotoluene   | ND     |           | ug/kg | 2.7  | 0.26 | 1               |
| p-Chlorotoluene   | ND     |           | ug/kg | 2.7  | 0.14 | 1               |
| 1,2-Dibromo-3-chloropropane                                 | ND     |           | ug/kg | 4.0  | 1.3  | 1               |
| Hexachlorobutadiene   | ND     |           | ug/kg | 5.4  | 0.23 | 1               |
| Isopropylbenzene  | ND     |           | ug/kg | 1.4  | 0.15 | 1               |
| p-Isopropyltoluene  | ND     |           | ug/kg | 1.4  | 0.15 | 1               |
| Naphthalene   | ND     |           | ug/kg | 5.4  | 0.88 | 1               |
| Acrylonitrile   | ND     |           | ug/kg | 5.4  | 1.6  | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-04  
**Client ID:** SB016 (0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 10:00  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/kg | 1.4 | 0.23 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/kg | 2.7 | 0.43 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/kg | 2.7 | 0.37 | 1               |
| 1,3,5-Trimethylbenzene                              | ND     |           | ug/kg | 2.7 | 0.26 | 1               |
| 1,2,4-Trimethylbenzene                              | ND     |           | ug/kg | 2.7 | 0.45 | 1               |
| 1,4-Dioxane   | ND     |           | ug/kg | 110 | 47.  | 1               |
| p-Diethylbenzene                                    | ND     |           | ug/kg | 2.7 | 0.24 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/kg | 2.7 | 0.52 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | ND     |           | ug/kg | 2.7 | 0.26 | 1               |
| Ethyl ether   | ND     |           | ug/kg | 2.7 | 0.46 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/kg | 6.8 | 1.9  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 115        |           | 70-130              |
| Toluene-d8            | 105        |           | 70-130              |
| 4-Bromofluorobenzene  | 107        |           | 70-130              |
| Dibromofluoromethane  | 28         | Q         | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-05  
 Client ID: SB016 (2-4)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 10:10  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 06/15/22 21:52  
 Analyst: LAC  
 Percent Solids: 90%

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride   | ND     |           | ug/kg | 7.4  | 3.4  | 1               |
| 1,1-Dichloroethane   | ND     |           | ug/kg | 1.5  | 0.22 | 1               |
| Chloroform   | ND     |           | ug/kg | 2.2  | 0.21 | 1               |
| Carbon tetrachloride                                       | ND     |           | ug/kg | 1.5  | 0.34 | 1               |
| 1,2-Dichloropropane  | ND     |           | ug/kg | 1.5  | 0.18 | 1               |
| Dibromochloromethane                                       | ND     |           | ug/kg | 1.5  | 0.21 | 1               |
| 1,1,2-Trichloroethane                                      | ND     |           | ug/kg | 1.5  | 0.40 | 1               |
| Tetrachloroethene  | ND     |           | ug/kg | 0.74 | 0.29 | 1               |
| Chlorobenzene  | ND     |           | ug/kg | 0.74 | 0.19 | 1               |
| Trichlorofluoromethane                                     | ND     |           | ug/kg | 5.9  | 1.0  | 1               |
| 1,2-Dichloroethane   | ND     |           | ug/kg | 1.5  | 0.38 | 1               |
| 1,1,1-Trichloroethane                                      | ND     |           | ug/kg | 0.74 | 0.25 | 1               |
| Bromodichloromethane                                       | ND     |           | ug/kg | 0.74 | 0.16 | 1               |
| trans-1,3-Dichloropropene                                  | ND     |           | ug/kg | 1.5  | 0.40 | 1               |
| cis-1,3-Dichloropropene                                    | ND     |           | ug/kg | 0.74 | 0.23 | 1               |
| 1,3-Dichloropropene, Total                                 | ND     |           | ug/kg | 0.74 | 0.23 | 1               |
| 1,1-Dichloropropene  | ND     |           | ug/kg | 0.74 | 0.24 | 1               |
| Bromoform  | ND     |           | ug/kg | 5.9  | 0.36 | 1               |
| 1,1,2,2-Tetrachloroethane                                  | ND     |           | ug/kg | 0.74 | 0.25 | 1               |
| Benzene  | ND     |           | ug/kg | 0.74 | 0.25 | 1               |
| Toluene  | ND     |           | ug/kg | 1.5  | 0.80 | 1               |
| Ethylbenzene   | ND     |           | ug/kg | 1.5  | 0.21 | 1               |
| Chloromethane  | ND     |           | ug/kg | 5.9  | 1.4  | 1               |
| Bromomethane   | ND     |           | ug/kg | 3.0  | 0.86 | 1               |
| Vinyl chloride   | ND     |           | ug/kg | 1.5  | 0.50 | 1               |
| Chloroethane   | ND     |           | ug/kg | 3.0  | 0.67 | 1               |
| 1,1-Dichloroethene   | ND     |           | ug/kg | 1.5  | 0.35 | 1               |
| trans-1,2-Dichloroethene                                   | ND     |           | ug/kg | 2.2  | 0.20 | 1               |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2231035**Project Number:** 3883.0001Y000**Report Date:** 06/27/22**SAMPLE RESULTS**

Lab ID: L2231035-05  
 Client ID: SB016 (2-4)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 10:10  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| <b>Volatiles Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Trichloroethene   | ND     |           | ug/kg | 0.74 | 0.20 | 1               |
| 1,2-Dichlorobenzene   | ND     |           | ug/kg | 3.0  | 0.21 | 1               |
| 1,3-Dichlorobenzene   | ND     |           | ug/kg | 3.0  | 0.22 | 1               |
| 1,4-Dichlorobenzene   | ND     |           | ug/kg | 3.0  | 0.25 | 1               |
| Methyl tert butyl ether                                     | ND     |           | ug/kg | 3.0  | 0.30 | 1               |
| p/m-Xylene  | ND     |           | ug/kg | 3.0  | 0.83 | 1               |
| o-Xylene  | ND     |           | ug/kg | 1.5  | 0.43 | 1               |
| Xylenes, Total  | ND     |           | ug/kg | 1.5  | 0.43 | 1               |
| cis-1,2-Dichloroethene                                      | ND     |           | ug/kg | 1.5  | 0.26 | 1               |
| 1,2-Dichloroethene, Total                                   | ND     |           | ug/kg | 1.5  | 0.20 | 1               |
| Dibromomethane  | ND     |           | ug/kg | 3.0  | 0.35 | 1               |
| Styrene   | ND     |           | ug/kg | 1.5  | 0.29 | 1               |
| Dichlorodifluoromethane                                     | ND     |           | ug/kg | 15   | 1.4  | 1               |
| Acetone   | 42     |           | ug/kg | 15   | 7.1  | 1               |
| Carbon disulfide  | ND     |           | ug/kg | 15   | 6.7  | 1               |
| 2-Butanone  | ND     |           | ug/kg | 15   | 3.3  | 1               |
| Vinyl acetate   | ND     |           | ug/kg | 15   | 3.2  | 1               |
| 4-Methyl-2-pentanone  | ND     |           | ug/kg | 15   | 1.9  | 1               |
| 1,2,3-Trichloropropane                                      | ND     |           | ug/kg | 3.0  | 0.19 | 1               |
| 2-Hexanone  | ND     |           | ug/kg | 15   | 1.8  | 1               |
| Bromochloromethane  | ND     |           | ug/kg | 3.0  | 0.30 | 1               |
| 2,2-Dichloropropane   | ND     |           | ug/kg | 3.0  | 0.30 | 1               |
| 1,2-Dibromoethane   | ND     |           | ug/kg | 1.5  | 0.41 | 1               |
| 1,3-Dichloropropane   | ND     |           | ug/kg | 3.0  | 0.25 | 1               |
| 1,1,1,2-Tetrachloroethane                                   | ND     |           | ug/kg | 0.74 | 0.20 | 1               |
| Bromobenzene  | ND     |           | ug/kg | 3.0  | 0.22 | 1               |
| n-Butylbenzene  | ND     |           | ug/kg | 1.5  | 0.25 | 1               |
| sec-Butylbenzene  | ND     |           | ug/kg | 1.5  | 0.22 | 1               |
| tert-Butylbenzene   | ND     |           | ug/kg | 3.0  | 0.18 | 1               |
| o-Chlorotoluene   | ND     |           | ug/kg | 3.0  | 0.28 | 1               |
| p-Chlorotoluene   | ND     |           | ug/kg | 3.0  | 0.16 | 1               |
| 1,2-Dibromo-3-chloropropane                                 | ND     |           | ug/kg | 4.4  | 1.5  | 1               |
| Hexachlorobutadiene   | ND     |           | ug/kg | 5.9  | 0.25 | 1               |
| Isopropylbenzene  | ND     |           | ug/kg | 1.5  | 0.16 | 1               |
| p-Isopropyltoluene  | ND     |           | ug/kg | 1.5  | 0.16 | 1               |
| Naphthalene   | ND     |           | ug/kg | 5.9  | 0.96 | 1               |
| Acrylonitrile   | ND     |           | ug/kg | 5.9  | 1.7  | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-05  
**Client ID:** SB016 (2-4)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 10:10  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/kg | 1.5 | 0.25 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/kg | 3.0 | 0.48 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/kg | 3.0 | 0.40 | 1               |
| 1,3,5-Trimethylbenzene                              | ND     |           | ug/kg | 3.0 | 0.29 | 1               |
| 1,2,4-Trimethylbenzene                              | ND     |           | ug/kg | 3.0 | 0.50 | 1               |
| 1,4-Dioxane   | ND     |           | ug/kg | 120 | 52.  | 1               |
| p-Diethylbenzene                                    | ND     |           | ug/kg | 3.0 | 0.26 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/kg | 3.0 | 0.57 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | ND     |           | ug/kg | 3.0 | 0.28 | 1               |
| Ethyl ether   | ND     |           | ug/kg | 3.0 | 0.50 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/kg | 7.4 | 2.1  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 106        |           | 70-130              |
| Toluene-d8            | 95         |           | 70-130              |
| 4-Bromofluorobenzene  | 100        |           | 70-130              |
| Dibromofluoromethane  | 105        |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-06  
 Client ID: SB012 (0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 11:30  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 06/14/22 23:28  
 Analyst: JC  
 Percent Solids: 95%

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride   | ND     |           | ug/kg | 6.8  | 3.1  | 1               |
| 1,1-Dichloroethane   | ND     |           | ug/kg | 1.4  | 0.20 | 1               |
| Chloroform   | ND     |           | ug/kg | 2.0  | 0.19 | 1               |
| Carbon tetrachloride                                       | ND     |           | ug/kg | 1.4  | 0.31 | 1               |
| 1,2-Dichloropropane  | ND     |           | ug/kg | 1.4  | 0.17 | 1               |
| Dibromochloromethane                                       | ND     |           | ug/kg | 1.4  | 0.19 | 1               |
| 1,1,2-Trichloroethane                                      | ND     |           | ug/kg | 1.4  | 0.36 | 1               |
| Tetrachloroethene  | ND     |           | ug/kg | 0.68 | 0.27 | 1               |
| Chlorobenzene  | ND     |           | ug/kg | 0.68 | 0.17 | 1               |
| Trichlorofluoromethane                                     | ND     |           | ug/kg | 5.4  | 0.95 | 1               |
| 1,2-Dichloroethane   | ND     |           | ug/kg | 1.4  | 0.35 | 1               |
| 1,1,1-Trichloroethane                                      | ND     |           | ug/kg | 0.68 | 0.23 | 1               |
| Bromodichloromethane                                       | ND     |           | ug/kg | 0.68 | 0.15 | 1               |
| trans-1,3-Dichloropropene                                  | ND     |           | ug/kg | 1.4  | 0.37 | 1               |
| cis-1,3-Dichloropropene                                    | ND     |           | ug/kg | 0.68 | 0.22 | 1               |
| 1,3-Dichloropropene, Total                                 | ND     |           | ug/kg | 0.68 | 0.22 | 1               |
| 1,1-Dichloropropene  | ND     |           | ug/kg | 0.68 | 0.22 | 1               |
| Bromoform  | ND     |           | ug/kg | 5.4  | 0.33 | 1               |
| 1,1,2,2-Tetrachloroethane                                  | ND     |           | ug/kg | 0.68 | 0.22 | 1               |
| Benzene  | ND     |           | ug/kg | 0.68 | 0.22 | 1               |
| Toluene  | ND     |           | ug/kg | 1.4  | 0.74 | 1               |
| Ethylbenzene   | ND     |           | ug/kg | 1.4  | 0.19 | 1               |
| Chloromethane  | ND     |           | ug/kg | 5.4  | 1.3  | 1               |
| Bromomethane   | ND     |           | ug/kg | 2.7  | 0.79 | 1               |
| Vinyl chloride   | ND     |           | ug/kg | 1.4  | 0.46 | 1               |
| Chloroethane   | ND     |           | ug/kg | 2.7  | 0.62 | 1               |
| 1,1-Dichloroethene   | ND     |           | ug/kg | 1.4  | 0.32 | 1               |
| trans-1,2-Dichloroethene                                   | ND     |           | ug/kg | 2.0  | 0.19 | 1               |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2231035**Project Number:** 3883.0001Y000**Report Date:** 06/27/22**SAMPLE RESULTS**

Lab ID: L2231035-06  
 Client ID: SB012 (0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 11:30  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Trichloroethene  | ND     |           | ug/kg | 0.68 | 0.19 | 1               |
| 1,2-Dichlorobenzene  | ND     |           | ug/kg | 2.7  | 0.20 | 1               |
| 1,3-Dichlorobenzene  | ND     |           | ug/kg | 2.7  | 0.20 | 1               |
| 1,4-Dichlorobenzene  | ND     |           | ug/kg | 2.7  | 0.23 | 1               |
| Methyl tert butyl ether                                    | ND     |           | ug/kg | 2.7  | 0.27 | 1               |
| p/m-Xylene   | ND     |           | ug/kg | 2.7  | 0.76 | 1               |
| o-Xylene   | ND     |           | ug/kg | 1.4  | 0.40 | 1               |
| Xylenes, Total   | ND     |           | ug/kg | 1.4  | 0.40 | 1               |
| cis-1,2-Dichloroethene                                     | ND     |           | ug/kg | 1.4  | 0.24 | 1               |
| 1,2-Dichloroethene, Total                                  | ND     |           | ug/kg | 1.4  | 0.19 | 1               |
| Dibromomethane   | ND     |           | ug/kg | 2.7  | 0.32 | 1               |
| Styrene  | ND     |           | ug/kg | 1.4  | 0.27 | 1               |
| Dichlorodifluoromethane                                    | ND     |           | ug/kg | 14   | 1.2  | 1               |
| Acetone  | ND     |           | ug/kg | 14   | 6.5  | 1               |
| Carbon disulfide   | ND     |           | ug/kg | 14   | 6.2  | 1               |
| 2-Butanone   | ND     |           | ug/kg | 14   | 3.0  | 1               |
| Vinyl acetate  | ND     |           | ug/kg | 14   | 2.9  | 1               |
| 4-Methyl-2-pentanone                                       | ND     |           | ug/kg | 14   | 1.7  | 1               |
| 1,2,3-Trichloropropane                                     | ND     |           | ug/kg | 2.7  | 0.17 | 1               |
| 2-Hexanone   | ND     |           | ug/kg | 14   | 1.6  | 1               |
| Bromochloromethane   | ND     |           | ug/kg | 2.7  | 0.28 | 1               |
| 2,2-Dichloropropane  | ND     |           | ug/kg | 2.7  | 0.28 | 1               |
| 1,2-Dibromoethane  | ND     |           | ug/kg | 1.4  | 0.38 | 1               |
| 1,3-Dichloropropane  | ND     |           | ug/kg | 2.7  | 0.23 | 1               |
| 1,1,1,2-Tetrachloroethane                                  | ND     |           | ug/kg | 0.68 | 0.18 | 1               |
| Bromobenzene   | ND     |           | ug/kg | 2.7  | 0.20 | 1               |
| n-Butylbenzene   | ND     |           | ug/kg | 1.4  | 0.23 | 1               |
| sec-Butylbenzene   | ND     |           | ug/kg | 1.4  | 0.20 | 1               |
| tert-Butylbenzene  | ND     |           | ug/kg | 2.7  | 0.16 | 1               |
| o-Chlorotoluene  | ND     |           | ug/kg | 2.7  | 0.26 | 1               |
| p-Chlorotoluene  | ND     |           | ug/kg | 2.7  | 0.15 | 1               |
| 1,2-Dibromo-3-chloropropane                                | ND     |           | ug/kg | 4.1  | 1.4  | 1               |
| Hexachlorobutadiene  | ND     |           | ug/kg | 5.4  | 0.23 | 1               |
| Isopropylbenzene   | ND     |           | ug/kg | 1.4  | 0.15 | 1               |
| p-Isopropyltoluene   | ND     |           | ug/kg | 1.4  | 0.15 | 1               |
| Naphthalene  | ND     |           | ug/kg | 5.4  | 0.88 | 1               |
| Acrylonitrile  | ND     |           | ug/kg | 5.4  | 1.6  | 1               |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-06  
**Client ID:** SB012 (0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 11:30  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/kg | 1.4 | 0.23 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/kg | 2.7 | 0.44 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/kg | 2.7 | 0.37 | 1               |
| 1,3,5-Trimethylbenzene                              | ND     |           | ug/kg | 2.7 | 0.26 | 1               |
| 1,2,4-Trimethylbenzene                              | ND     |           | ug/kg | 2.7 | 0.45 | 1               |
| 1,4-Dioxane   | ND     |           | ug/kg | 110 | 48.  | 1               |
| p-Diethylbenzene                                    | ND     |           | ug/kg | 2.7 | 0.24 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/kg | 2.7 | 0.52 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | ND     |           | ug/kg | 2.7 | 0.26 | 1               |
| Ethyl ether   | ND     |           | ug/kg | 2.7 | 0.46 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/kg | 6.8 | 1.9  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 119        |           | 70-130              |
| Toluene-d8            | 108        |           | 70-130              |
| 4-Bromofluorobenzene  | 124        |           | 70-130              |
| Dibromofluoromethane  | 106        |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-07  
 Client ID: DUP\_061022  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 12:00  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 06/14/22 23:55  
 Analyst: JC  
 Percent Solids: 89%

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride   | ND     |           | ug/kg | 5.9  | 2.7  | 1               |
| 1,1-Dichloroethane   | ND     |           | ug/kg | 1.2  | 0.17 | 1               |
| Chloroform   | ND     |           | ug/kg | 1.8  | 0.17 | 1               |
| Carbon tetrachloride                                       | ND     |           | ug/kg | 1.2  | 0.27 | 1               |
| 1,2-Dichloropropane  | ND     |           | ug/kg | 1.2  | 0.15 | 1               |
| Dibromochloromethane                                       | ND     |           | ug/kg | 1.2  | 0.17 | 1               |
| 1,1,2-Trichloroethane                                      | ND     |           | ug/kg | 1.2  | 0.32 | 1               |
| Tetrachloroethene  | ND     |           | ug/kg | 0.59 | 0.23 | 1               |
| Chlorobenzene  | ND     |           | ug/kg | 0.59 | 0.15 | 1               |
| Trichlorofluoromethane                                     | ND     |           | ug/kg | 4.8  | 0.82 | 1               |
| 1,2-Dichloroethane   | ND     |           | ug/kg | 1.2  | 0.30 | 1               |
| 1,1,1-Trichloroethane                                      | ND     |           | ug/kg | 0.59 | 0.20 | 1               |
| Bromodichloromethane                                       | ND     |           | ug/kg | 0.59 | 0.13 | 1               |
| trans-1,3-Dichloropropene                                  | ND     |           | ug/kg | 1.2  | 0.32 | 1               |
| cis-1,3-Dichloropropene                                    | ND     |           | ug/kg | 0.59 | 0.19 | 1               |
| 1,3-Dichloropropene, Total                                 | ND     |           | ug/kg | 0.59 | 0.19 | 1               |
| 1,1-Dichloropropene  | ND     |           | ug/kg | 0.59 | 0.19 | 1               |
| Bromoform  | ND     |           | ug/kg | 4.8  | 0.29 | 1               |
| 1,1,2,2-Tetrachloroethane                                  | ND     |           | ug/kg | 0.59 | 0.20 | 1               |
| Benzene  | ND     |           | ug/kg | 0.59 | 0.20 | 1               |
| Toluene  | ND     |           | ug/kg | 1.2  | 0.64 | 1               |
| Ethylbenzene   | ND     |           | ug/kg | 1.2  | 0.17 | 1               |
| Chloromethane  | ND     |           | ug/kg | 4.8  | 1.1  | 1               |
| Bromomethane   | ND     |           | ug/kg | 2.4  | 0.69 | 1               |
| Vinyl chloride   | ND     |           | ug/kg | 1.2  | 0.40 | 1               |
| Chloroethane   | ND     |           | ug/kg | 2.4  | 0.54 | 1               |
| 1,1-Dichloroethene   | ND     |           | ug/kg | 1.2  | 0.28 | 1               |
| trans-1,2-Dichloroethene                                   | ND     |           | ug/kg | 1.8  | 0.16 | 1               |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

## SAMPLE RESULTS

Lab ID: L2231035-07  
 Client ID: DUP\_061022  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 12:00  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |      |                 |
| Trichloroethene                                     | ND     |           | ug/kg | 0.59 | 0.16 | 1               |
| 1,2-Dichlorobenzene                                 | ND     |           | ug/kg | 2.4  | 0.17 | 1               |
| 1,3-Dichlorobenzene                                 | ND     |           | ug/kg | 2.4  | 0.18 | 1               |
| 1,4-Dichlorobenzene                                 | ND     |           | ug/kg | 2.4  | 0.20 | 1               |
| Methyl tert butyl ether                             | ND     |           | ug/kg | 2.4  | 0.24 | 1               |
| p/m-Xylene  | ND     |           | ug/kg | 2.4  | 0.66 | 1               |
| o-Xylene  | ND     |           | ug/kg | 1.2  | 0.34 | 1               |
| Xylenes, Total                                      | ND     |           | ug/kg | 1.2  | 0.34 | 1               |
| cis-1,2-Dichloroethene                              | ND     |           | ug/kg | 1.2  | 0.21 | 1               |
| 1,2-Dichloroethene, Total                           | ND     |           | ug/kg | 1.2  | 0.16 | 1               |
| Dibromomethane                                      | ND     |           | ug/kg | 2.4  | 0.28 | 1               |
| Styrene   | ND     |           | ug/kg | 1.2  | 0.23 | 1               |
| Dichlorodifluoromethane                             | ND     |           | ug/kg | 12   | 1.1  | 1               |
| Acetone   | ND     |           | ug/kg | 12   | 5.7  | 1               |
| Carbon disulfide                                    | ND     |           | ug/kg | 12   | 5.4  | 1               |
| 2-Butanone  | ND     |           | ug/kg | 12   | 2.6  | 1               |
| Vinyl acetate                                       | ND     |           | ug/kg | 12   | 2.6  | 1               |
| 4-Methyl-2-pentanone                                | ND     |           | ug/kg | 12   | 1.5  | 1               |
| 1,2,3-Trichloropropane                              | ND     |           | ug/kg | 2.4  | 0.15 | 1               |
| 2-Hexanone  | ND     |           | ug/kg | 12   | 1.4  | 1               |
| Bromochloromethane                                  | ND     |           | ug/kg | 2.4  | 0.24 | 1               |
| 2,2-Dichloropropane                                 | ND     |           | ug/kg | 2.4  | 0.24 | 1               |
| 1,2-Dibromoethane                                   | ND     |           | ug/kg | 1.2  | 0.33 | 1               |
| 1,3-Dichloropropane                                 | ND     |           | ug/kg | 2.4  | 0.20 | 1               |
| 1,1,1,2-Tetrachloroethane                           | ND     |           | ug/kg | 0.59 | 0.16 | 1               |
| Bromobenzene  | ND     |           | ug/kg | 2.4  | 0.17 | 1               |
| n-Butylbenzene                                      | ND     |           | ug/kg | 1.2  | 0.20 | 1               |
| sec-Butylbenzene                                    | ND     |           | ug/kg | 1.2  | 0.17 | 1               |
| tert-Butylbenzene                                   | ND     |           | ug/kg | 2.4  | 0.14 | 1               |
| o-Chlorotoluene                                     | ND     |           | ug/kg | 2.4  | 0.23 | 1               |
| p-Chlorotoluene                                     | ND     |           | ug/kg | 2.4  | 0.13 | 1               |
| 1,2-Dibromo-3-chloropropane                         | ND     |           | ug/kg | 3.6  | 1.2  | 1               |
| Hexachlorobutadiene                                 | ND     |           | ug/kg | 4.8  | 0.20 | 1               |
| Isopropylbenzene                                    | ND     |           | ug/kg | 1.2  | 0.13 | 1               |
| p-Isopropyltoluene                                  | ND     |           | ug/kg | 1.2  | 0.13 | 1               |
| Naphthalene   | ND     |           | ug/kg | 4.8  | 0.77 | 1               |
| Acrylonitrile                                       | ND     |           | ug/kg | 4.8  | 1.4  | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-07  
**Client ID:** DUP\_061022  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 12:00  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/kg | 1.2 | 0.20 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/kg | 2.4 | 0.38 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/kg | 2.4 | 0.32 | 1               |
| 1,3,5-Trimethylbenzene                              | ND     |           | ug/kg | 2.4 | 0.23 | 1               |
| 1,2,4-Trimethylbenzene                              | ND     |           | ug/kg | 2.4 | 0.40 | 1               |
| 1,4-Dioxane   | ND     |           | ug/kg | 95  | 42.  | 1               |
| p-Diethylbenzene                                    | ND     |           | ug/kg | 2.4 | 0.21 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/kg | 2.4 | 0.46 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | ND     |           | ug/kg | 2.4 | 0.23 | 1               |
| Ethyl ether   | ND     |           | ug/kg | 2.4 | 0.40 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/kg | 5.9 | 1.7  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 114        |           | 70-130              |
| Toluene-d8            | 108        |           | 70-130              |
| 4-Bromofluorobenzene  | 109        |           | 70-130              |
| Dibromofluoromethane  | 108        |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-08  
 Client ID: SB012 (12-14)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 12:30  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 06/15/22 00:22  
 Analyst: JC  
 Percent Solids: 93%

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride   | ND     |           | ug/kg | 8.5  | 3.9  | 1               |
| 1,1-Dichloroethane   | ND     |           | ug/kg | 1.7  | 0.25 | 1               |
| Chloroform   | ND     |           | ug/kg | 2.6  | 0.24 | 1               |
| Carbon tetrachloride                                       | ND     |           | ug/kg | 1.7  | 0.39 | 1               |
| 1,2-Dichloropropane  | ND     |           | ug/kg | 1.7  | 0.21 | 1               |
| Dibromochloromethane                                       | ND     |           | ug/kg | 1.7  | 0.24 | 1               |
| 1,1,2-Trichloroethane                                      | ND     |           | ug/kg | 1.7  | 0.46 | 1               |
| Tetrachloroethene  | ND     |           | ug/kg | 0.85 | 0.33 | 1               |
| Chlorobenzene  | ND     |           | ug/kg | 0.85 | 0.22 | 1               |
| Trichlorofluoromethane                                     | ND     |           | ug/kg | 6.8  | 1.2  | 1               |
| 1,2-Dichloroethane   | ND     |           | ug/kg | 1.7  | 0.44 | 1               |
| 1,1,1-Trichloroethane                                      | ND     |           | ug/kg | 0.85 | 0.28 | 1               |
| Bromodichloromethane                                       | ND     |           | ug/kg | 0.85 | 0.19 | 1               |
| trans-1,3-Dichloropropene                                  | ND     |           | ug/kg | 1.7  | 0.46 | 1               |
| cis-1,3-Dichloropropene                                    | ND     |           | ug/kg | 0.85 | 0.27 | 1               |
| 1,3-Dichloropropene, Total                                 | ND     |           | ug/kg | 0.85 | 0.27 | 1               |
| 1,1-Dichloropropene  | ND     |           | ug/kg | 0.85 | 0.27 | 1               |
| Bromoform  | ND     |           | ug/kg | 6.8  | 0.42 | 1               |
| 1,1,2,2-Tetrachloroethane                                  | ND     |           | ug/kg | 0.85 | 0.28 | 1               |
| Benzene  | ND     |           | ug/kg | 0.85 | 0.28 | 1               |
| Toluene  | ND     |           | ug/kg | 1.7  | 0.93 | 1               |
| Ethylbenzene   | ND     |           | ug/kg | 1.7  | 0.24 | 1               |
| Chloromethane  | ND     |           | ug/kg | 6.8  | 1.6  | 1               |
| Bromomethane   | ND     |           | ug/kg | 3.4  | 0.99 | 1               |
| Vinyl chloride   | ND     |           | ug/kg | 1.7  | 0.57 | 1               |
| Chloroethane   | ND     |           | ug/kg | 3.4  | 0.77 | 1               |
| 1,1-Dichloroethene   | ND     |           | ug/kg | 1.7  | 0.41 | 1               |
| trans-1,2-Dichloroethene                                   | ND     |           | ug/kg | 2.6  | 0.23 | 1               |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2231035**Project Number:** 3883.0001Y000**Report Date:** 06/27/22**SAMPLE RESULTS**

Lab ID: L2231035-08  
 Client ID: SB012 (12-14)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 12:30  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Trichloroethene  | ND     |           | ug/kg | 0.85 | 0.23 | 1               |
| 1,2-Dichlorobenzene  | ND     |           | ug/kg | 3.4  | 0.24 | 1               |
| 1,3-Dichlorobenzene  | ND     |           | ug/kg | 3.4  | 0.25 | 1               |
| 1,4-Dichlorobenzene  | ND     |           | ug/kg | 3.4  | 0.29 | 1               |
| Methyl tert butyl ether                                    | ND     |           | ug/kg | 3.4  | 0.34 | 1               |
| p/m-Xylene   | ND     |           | ug/kg | 3.4  | 0.96 | 1               |
| o-Xylene   | ND     |           | ug/kg | 1.7  | 0.50 | 1               |
| Xylenes, Total   | ND     |           | ug/kg | 1.7  | 0.50 | 1               |
| cis-1,2-Dichloroethene                                     | ND     |           | ug/kg | 1.7  | 0.30 | 1               |
| 1,2-Dichloroethene, Total                                  | ND     |           | ug/kg | 1.7  | 0.23 | 1               |
| Dibromomethane   | ND     |           | ug/kg | 3.4  | 0.41 | 1               |
| Styrene  | ND     |           | ug/kg | 1.7  | 0.33 | 1               |
| Dichlorodifluoromethane                                    | ND     |           | ug/kg | 17   | 1.6  | 1               |
| Acetone  | 66     |           | ug/kg | 17   | 8.2  | 1               |
| Carbon disulfide   | ND     |           | ug/kg | 17   | 7.8  | 1               |
| 2-Butanone   | 8.0    | J         | ug/kg | 17   | 3.8  | 1               |
| Vinyl acetate  | ND     |           | ug/kg | 17   | 3.7  | 1               |
| 4-Methyl-2-pentanone                                       | ND     |           | ug/kg | 17   | 2.2  | 1               |
| 1,2,3-Trichloropropane                                     | ND     |           | ug/kg | 3.4  | 0.22 | 1               |
| 2-Hexanone   | ND     |           | ug/kg | 17   | 2.0  | 1               |
| Bromochloromethane   | ND     |           | ug/kg | 3.4  | 0.35 | 1               |
| 2,2-Dichloropropane  | ND     |           | ug/kg | 3.4  | 0.34 | 1               |
| 1,2-Dibromoethane  | ND     |           | ug/kg | 1.7  | 0.48 | 1               |
| 1,3-Dichloropropane  | ND     |           | ug/kg | 3.4  | 0.28 | 1               |
| 1,1,1,2-Tetrachloroethane                                  | ND     |           | ug/kg | 0.85 | 0.22 | 1               |
| Bromobenzene   | ND     |           | ug/kg | 3.4  | 0.25 | 1               |
| n-Butylbenzene   | ND     |           | ug/kg | 1.7  | 0.28 | 1               |
| sec-Butylbenzene   | ND     |           | ug/kg | 1.7  | 0.25 | 1               |
| tert-Butylbenzene  | ND     |           | ug/kg | 3.4  | 0.20 | 1               |
| o-Chlorotoluene  | ND     |           | ug/kg | 3.4  | 0.33 | 1               |
| p-Chlorotoluene  | ND     |           | ug/kg | 3.4  | 0.18 | 1               |
| 1,2-Dibromo-3-chloropropane                                | ND     |           | ug/kg | 5.1  | 1.7  | 1               |
| Hexachlorobutadiene  | ND     |           | ug/kg | 6.8  | 0.29 | 1               |
| Isopropylbenzene   | ND     |           | ug/kg | 1.7  | 0.19 | 1               |
| p-Isopropyltoluene   | ND     |           | ug/kg | 1.7  | 0.19 | 1               |
| Naphthalene  | ND     |           | ug/kg | 6.8  | 1.1  | 1               |
| Acrylonitrile  | ND     |           | ug/kg | 6.8  | 2.0  | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-08  
**Client ID:** SB012 (12-14)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 12:30  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/kg | 1.7 | 0.29 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/kg | 3.4 | 0.55 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/kg | 3.4 | 0.46 | 1               |
| 1,3,5-Trimethylbenzene                              | ND     |           | ug/kg | 3.4 | 0.33 | 1               |
| 1,2,4-Trimethylbenzene                              | ND     |           | ug/kg | 3.4 | 0.57 | 1               |
| 1,4-Dioxane   | ND     |           | ug/kg | 140 | 60.  | 1               |
| p-Diethylbenzene                                    | ND     |           | ug/kg | 3.4 | 0.30 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/kg | 3.4 | 0.66 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | ND     |           | ug/kg | 3.4 | 0.33 | 1               |
| Ethyl ether   | ND     |           | ug/kg | 3.4 | 0.58 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/kg | 8.5 | 2.4  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 119        |           | 70-130              |
| Toluene-d8            | 109        |           | 70-130              |
| 4-Bromofluorobenzene  | 114        |           | 70-130              |
| Dibromofluoromethane  | 110        |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-09  
 Client ID: SB012 (15-17)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 12:40  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 06/15/22 00:49  
 Analyst: JC  
 Percent Solids: 97%

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride   | ND     |           | ug/kg | 6.1  | 2.8  | 1               |
| 1,1-Dichloroethane   | ND     |           | ug/kg | 1.2  | 0.18 | 1               |
| Chloroform   | ND     |           | ug/kg | 1.8  | 0.17 | 1               |
| Carbon tetrachloride                                       | ND     |           | ug/kg | 1.2  | 0.28 | 1               |
| 1,2-Dichloropropane  | ND     |           | ug/kg | 1.2  | 0.15 | 1               |
| Dibromochloromethane                                       | ND     |           | ug/kg | 1.2  | 0.17 | 1               |
| 1,1,2-Trichloroethane                                      | ND     |           | ug/kg | 1.2  | 0.32 | 1               |
| Tetrachloroethene  | ND     |           | ug/kg | 0.61 | 0.24 | 1               |
| Chlorobenzene  | ND     |           | ug/kg | 0.61 | 0.15 | 1               |
| Trichlorofluoromethane                                     | ND     |           | ug/kg | 4.8  | 0.84 | 1               |
| 1,2-Dichloroethane   | ND     |           | ug/kg | 1.2  | 0.31 | 1               |
| 1,1,1-Trichloroethane                                      | ND     |           | ug/kg | 0.61 | 0.20 | 1               |
| Bromodichloromethane                                       | ND     |           | ug/kg | 0.61 | 0.13 | 1               |
| trans-1,3-Dichloropropene                                  | ND     |           | ug/kg | 1.2  | 0.33 | 1               |
| cis-1,3-Dichloropropene                                    | ND     |           | ug/kg | 0.61 | 0.19 | 1               |
| 1,3-Dichloropropene, Total                                 | ND     |           | ug/kg | 0.61 | 0.19 | 1               |
| 1,1-Dichloropropene  | ND     |           | ug/kg | 0.61 | 0.19 | 1               |
| Bromoform  | ND     |           | ug/kg | 4.8  | 0.30 | 1               |
| 1,1,2,2-Tetrachloroethane                                  | ND     |           | ug/kg | 0.61 | 0.20 | 1               |
| Benzene  | ND     |           | ug/kg | 0.61 | 0.20 | 1               |
| Toluene  | ND     |           | ug/kg | 1.2  | 0.66 | 1               |
| Ethylbenzene   | ND     |           | ug/kg | 1.2  | 0.17 | 1               |
| Chloromethane  | ND     |           | ug/kg | 4.8  | 1.1  | 1               |
| Bromomethane   | ND     |           | ug/kg | 2.4  | 0.70 | 1               |
| Vinyl chloride   | ND     |           | ug/kg | 1.2  | 0.41 | 1               |
| Chloroethane   | ND     |           | ug/kg | 2.4  | 0.55 | 1               |
| 1,1-Dichloroethene   | ND     |           | ug/kg | 1.2  | 0.29 | 1               |
| trans-1,2-Dichloroethene                                   | ND     |           | ug/kg | 1.8  | 0.17 | 1               |



**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2231035**Project Number:** 3883.0001Y000**Report Date:** 06/27/22**SAMPLE RESULTS**

Lab ID: L2231035-09  
 Client ID: SB012 (15-17)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 12:40  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |      |                 |
| Trichloroethene                                     | ND     |           | ug/kg | 0.61 | 0.17 | 1               |
| 1,2-Dichlorobenzene                                 | ND     |           | ug/kg | 2.4  | 0.17 | 1               |
| 1,3-Dichlorobenzene                                 | ND     |           | ug/kg | 2.4  | 0.18 | 1               |
| 1,4-Dichlorobenzene                                 | ND     |           | ug/kg | 2.4  | 0.21 | 1               |
| Methyl tert butyl ether                             | ND     |           | ug/kg | 2.4  | 0.24 | 1               |
| p/m-Xylene  | ND     |           | ug/kg | 2.4  | 0.68 | 1               |
| o-Xylene  | ND     |           | ug/kg | 1.2  | 0.35 | 1               |
| Xylenes, Total                                      | ND     |           | ug/kg | 1.2  | 0.35 | 1               |
| cis-1,2-Dichloroethene                              | ND     |           | ug/kg | 1.2  | 0.21 | 1               |
| 1,2-Dichloroethene, Total                           | ND     |           | ug/kg | 1.2  | 0.17 | 1               |
| Dibromomethane                                      | ND     |           | ug/kg | 2.4  | 0.29 | 1               |
| Styrene   | ND     |           | ug/kg | 1.2  | 0.24 | 1               |
| Dichlorodifluoromethane                             | ND     |           | ug/kg | 12   | 1.1  | 1               |
| Acetone   | ND     |           | ug/kg | 12   | 5.8  | 1               |
| Carbon disulfide                                    | ND     |           | ug/kg | 12   | 5.5  | 1               |
| 2-Butanone  | ND     |           | ug/kg | 12   | 2.7  | 1               |
| Vinyl acetate                                       | ND     |           | ug/kg | 12   | 2.6  | 1               |
| 4-Methyl-2-pentanone                                | ND     |           | ug/kg | 12   | 1.6  | 1               |
| 1,2,3-Trichloropropane                              | ND     |           | ug/kg | 2.4  | 0.15 | 1               |
| 2-Hexanone  | ND     |           | ug/kg | 12   | 1.4  | 1               |
| Bromochloromethane                                  | ND     |           | ug/kg | 2.4  | 0.25 | 1               |
| 2,2-Dichloropropane                                 | ND     |           | ug/kg | 2.4  | 0.24 | 1               |
| 1,2-Dibromoethane                                   | ND     |           | ug/kg | 1.2  | 0.34 | 1               |
| 1,3-Dichloropropane                                 | ND     |           | ug/kg | 2.4  | 0.20 | 1               |
| 1,1,1,2-Tetrachloroethane                           | ND     |           | ug/kg | 0.61 | 0.16 | 1               |
| Bromobenzene  | ND     |           | ug/kg | 2.4  | 0.18 | 1               |
| n-Butylbenzene                                      | ND     |           | ug/kg | 1.2  | 0.20 | 1               |
| sec-Butylbenzene                                    | ND     |           | ug/kg | 1.2  | 0.18 | 1               |
| tert-Butylbenzene                                   | ND     |           | ug/kg | 2.4  | 0.14 | 1               |
| o-Chlorotoluene                                     | ND     |           | ug/kg | 2.4  | 0.23 | 1               |
| p-Chlorotoluene                                     | ND     |           | ug/kg | 2.4  | 0.13 | 1               |
| 1,2-Dibromo-3-chloropropane                         | ND     |           | ug/kg | 3.6  | 1.2  | 1               |
| Hexachlorobutadiene                                 | ND     |           | ug/kg | 4.8  | 0.20 | 1               |
| Isopropylbenzene                                    | ND     |           | ug/kg | 1.2  | 0.13 | 1               |
| p-Isopropyltoluene                                  | ND     |           | ug/kg | 1.2  | 0.13 | 1               |
| Naphthalene   | ND     |           | ug/kg | 4.8  | 0.79 | 1               |
| Acrylonitrile                                       | ND     |           | ug/kg | 4.8  | 1.4  | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-09  
**Client ID:** SB012 (15-17)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 12:40  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/kg | 1.2 | 0.21 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/kg | 2.4 | 0.39 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/kg | 2.4 | 0.33 | 1               |
| 1,3,5-Trimethylbenzene                              | ND     |           | ug/kg | 2.4 | 0.23 | 1               |
| 1,2,4-Trimethylbenzene                              | ND     |           | ug/kg | 2.4 | 0.40 | 1               |
| 1,4-Dioxane   | ND     |           | ug/kg | 97  | 42.  | 1               |
| p-Diethylbenzene                                    | ND     |           | ug/kg | 2.4 | 0.21 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/kg | 2.4 | 0.46 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | ND     |           | ug/kg | 2.4 | 0.23 | 1               |
| Ethyl ether   | ND     |           | ug/kg | 2.4 | 0.41 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/kg | 6.1 | 1.7  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 109        |           | 70-130              |
| Toluene-d8            | 102        |           | 70-130              |
| 4-Bromofluorobenzene  | 98         |           | 70-130              |
| Dibromofluoromethane  | 105        |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-10  
**Client ID:** TB\_061022  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 00:00  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8260C  
**Analytical Date:** 06/14/22 11:13  
**Analyst:** MV

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by GC/MS - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride                                  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,1-Dichloroethane                                  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Chloroform  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Carbon tetrachloride                                | ND     |           | ug/l  | 0.50 | 0.13 | 1               |
| 1,2-Dichloropropane                                 | ND     |           | ug/l  | 1.0  | 0.14 | 1               |
| Dibromochloromethane                                | ND     |           | ug/l  | 0.50 | 0.15 | 1               |
| 1,1,2-Trichloroethane                               | ND     |           | ug/l  | 1.5  | 0.50 | 1               |
| Tetrachloroethene                                   | ND     |           | ug/l  | 0.50 | 0.18 | 1               |
| Chlorobenzene                                       | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Trichlorofluoromethane                              | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dichloroethane                                  | ND     |           | ug/l  | 0.50 | 0.13 | 1               |
| 1,1,1-Trichloroethane                               | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromodichloromethane                                | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| trans-1,3-Dichloropropene                           | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| cis-1,3-Dichloropropene                             | ND     |           | ug/l  | 0.50 | 0.14 | 1               |
| 1,3-Dichloropropene, Total                          | ND     |           | ug/l  | 0.50 | 0.14 | 1               |
| 1,1-Dichloropropene                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromoform   | ND     |           | ug/l  | 2.0  | 0.65 | 1               |
| 1,1,1,2,2-Tetrachloroethane                         | ND     |           | ug/l  | 0.50 | 0.17 | 1               |
| Benzene   | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| Toluene   | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Ethylbenzene  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Chloromethane                                       | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromomethane  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Vinyl chloride                                      | ND     |           | ug/l  | 1.0  | 0.07 | 1               |
| Chloroethane  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,1-Dichloroethene                                  | ND     |           | ug/l  | 0.50 | 0.17 | 1               |
| trans-1,2-Dichloroethene                            | ND     |           | ug/l  | 2.5  | 0.70 | 1               |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

## SAMPLE RESULTS

Lab ID: L2231035-10

Date Collected: 06/10/22 00:00

Client ID: TB\_061022

Date Received: 06/10/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Trichloroethene                              | ND     |           | ug/l  | 0.50 | 0.18 | 1               |
| 1,2-Dichlorobenzene                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Methyl tert butyl ether                      | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| p/m-Xylene                                   | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| o-Xylene                                     | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Xylenes, Total                               | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dichloroethene, Total                    | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Dibromomethane                               | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 1,2,3-Trichloropropane                       | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Acrylonitrile                                | ND     |           | ug/l  | 5.0  | 1.5  | 1               |
| Styrene                                      | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| Acetone                                      | ND     |           | ug/l  | 5.0  | 1.5  | 1               |
| Carbon disulfide                             | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 2-Butanone                                   | ND     |           | ug/l  | 5.0  | 1.9  | 1               |
| Vinyl acetate                                | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 2-Hexanone                                   | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| Bromochloromethane                           | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 2,2-Dichloropropane                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/l  | 2.0  | 0.65 | 1               |
| 1,3-Dichloropropane                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,1,1,2-Tetrachloroethane                    | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromobenzene                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| n-Butylbenzene                               | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| sec-Butylbenzene                             | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| tert-Butylbenzene                            | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| o-Chlorotoluene                              | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| p-Chlorotoluene                              | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Hexachlorobutadiene                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Isopropylbenzene                             | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| p-Isopropyltoluene                           | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Naphthalene                                  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-10  
 Client ID: TB\_061022  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 00:00  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| <b>Volatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,3,5-Trimethylbenzene                              | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,2,4-Trimethylbenzene                              | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,4-Dioxane   | ND     |           | ug/l  | 250 | 61.  | 1               |
| p-Diethylbenzene                                    | ND     |           | ug/l  | 2.0 | 0.70 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/l  | 2.0 | 0.70 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | ND     |           | ug/l  | 2.0 | 0.54 | 1               |
| Ethyl ether   | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/l  | 2.5 | 0.70 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 107        |           | 70-130              |
| Toluene-d8            | 102        |           | 70-130              |
| 4-Bromofluorobenzene  | 100        |           | 70-130              |
| Dibromofluoromethane  | 105        |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-11  
 Client ID: SB013 (0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 14:10  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 06/15/22 01:15  
 Analyst: JC  
 Percent Solids: 90%

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride   | ND     |           | ug/kg | 7.8  | 3.6  | 1               |
| 1,1-Dichloroethane   | ND     |           | ug/kg | 1.6  | 0.23 | 1               |
| Chloroform   | ND     |           | ug/kg | 2.4  | 0.22 | 1               |
| Carbon tetrachloride                                       | ND     |           | ug/kg | 1.6  | 0.36 | 1               |
| 1,2-Dichloropropane  | ND     |           | ug/kg | 1.6  | 0.20 | 1               |
| Dibromochloromethane                                       | ND     |           | ug/kg | 1.6  | 0.22 | 1               |
| 1,1,2-Trichloroethane                                      | ND     |           | ug/kg | 1.6  | 0.42 | 1               |
| Tetrachloroethene  | ND     |           | ug/kg | 0.78 | 0.31 | 1               |
| Chlorobenzene  | ND     |           | ug/kg | 0.78 | 0.20 | 1               |
| Trichlorofluoromethane                                     | ND     |           | ug/kg | 6.3  | 1.1  | 1               |
| 1,2-Dichloroethane   | ND     |           | ug/kg | 1.6  | 0.40 | 1               |
| 1,1,1-Trichloroethane                                      | ND     |           | ug/kg | 0.78 | 0.26 | 1               |
| Bromodichloromethane                                       | ND     |           | ug/kg | 0.78 | 0.17 | 1               |
| trans-1,3-Dichloropropene                                  | ND     |           | ug/kg | 1.6  | 0.43 | 1               |
| cis-1,3-Dichloropropene                                    | ND     |           | ug/kg | 0.78 | 0.25 | 1               |
| 1,3-Dichloropropene, Total                                 | ND     |           | ug/kg | 0.78 | 0.25 | 1               |
| 1,1-Dichloropropene  | ND     |           | ug/kg | 0.78 | 0.25 | 1               |
| Bromoform  | ND     |           | ug/kg | 6.3  | 0.39 | 1               |
| 1,1,2,2-Tetrachloroethane                                  | ND     |           | ug/kg | 0.78 | 0.26 | 1               |
| Benzene  | 0.28   | J         | ug/kg | 0.78 | 0.26 | 1               |
| Toluene  | ND     |           | ug/kg | 1.6  | 0.85 | 1               |
| Ethylbenzene   | ND     |           | ug/kg | 1.6  | 0.22 | 1               |
| Chloromethane  | ND     |           | ug/kg | 6.3  | 1.5  | 1               |
| Bromomethane   | ND     |           | ug/kg | 3.1  | 0.91 | 1               |
| Vinyl chloride   | ND     |           | ug/kg | 1.6  | 0.53 | 1               |
| Chloroethane   | ND     |           | ug/kg | 3.1  | 0.71 | 1               |
| 1,1-Dichloroethene   | ND     |           | ug/kg | 1.6  | 0.37 | 1               |
| trans-1,2-Dichloroethene                                   | ND     |           | ug/kg | 2.4  | 0.22 | 1               |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

## SAMPLE RESULTS

Lab ID: L2231035-11

Date Collected: 06/10/22 14:10

Client ID: SB013 (0-2)

Date Received: 06/10/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |      |                 |
| Trichloroethene                                     | ND     |           | ug/kg | 0.78 | 0.22 | 1               |
| 1,2-Dichlorobenzene                                 | ND     |           | ug/kg | 3.1  | 0.23 | 1               |
| 1,3-Dichlorobenzene                                 | ND     |           | ug/kg | 3.1  | 0.23 | 1               |
| 1,4-Dichlorobenzene                                 | ND     |           | ug/kg | 3.1  | 0.27 | 1               |
| Methyl tert butyl ether                             | ND     |           | ug/kg | 3.1  | 0.32 | 1               |
| p/m-Xylene  | 1.0    | J         | ug/kg | 3.1  | 0.88 | 1               |
| o-Xylene  | 0.58   | J         | ug/kg | 1.6  | 0.46 | 1               |
| Xylenes, Total                                      | 1.6    | J         | ug/kg | 1.6  | 0.46 | 1               |
| cis-1,2-Dichloroethene                              | ND     |           | ug/kg | 1.6  | 0.27 | 1               |
| 1,2-Dichloroethene, Total                           | ND     |           | ug/kg | 1.6  | 0.22 | 1               |
| Dibromomethane                                      | ND     |           | ug/kg | 3.1  | 0.37 | 1               |
| Styrene   | ND     |           | ug/kg | 1.6  | 0.31 | 1               |
| Dichlorodifluoromethane                             | ND     |           | ug/kg | 16   | 1.4  | 1               |
| Acetone   | 23     |           | ug/kg | 16   | 7.6  | 1               |
| Carbon disulfide                                    | ND     |           | ug/kg | 16   | 7.1  | 1               |
| 2-Butanone  | ND     |           | ug/kg | 16   | 3.5  | 1               |
| Vinyl acetate                                       | ND     |           | ug/kg | 16   | 3.4  | 1               |
| 4-Methyl-2-pentanone                                | ND     |           | ug/kg | 16   | 2.0  | 1               |
| 1,2,3-Trichloropropane                              | ND     |           | ug/kg | 3.1  | 0.20 | 1               |
| 2-Hexanone  | ND     |           | ug/kg | 16   | 1.8  | 1               |
| Bromochloromethane                                  | ND     |           | ug/kg | 3.1  | 0.32 | 1               |
| 2,2-Dichloropropane                                 | ND     |           | ug/kg | 3.1  | 0.32 | 1               |
| 1,2-Dibromoethane                                   | ND     |           | ug/kg | 1.6  | 0.44 | 1               |
| 1,3-Dichloropropane                                 | ND     |           | ug/kg | 3.1  | 0.26 | 1               |
| 1,1,1,2-Tetrachloroethane                           | ND     |           | ug/kg | 0.78 | 0.21 | 1               |
| Bromobenzene  | ND     |           | ug/kg | 3.1  | 0.23 | 1               |
| n-Butylbenzene                                      | ND     |           | ug/kg | 1.6  | 0.26 | 1               |
| sec-Butylbenzene                                    | ND     |           | ug/kg | 1.6  | 0.23 | 1               |
| tert-Butylbenzene                                   | ND     |           | ug/kg | 3.1  | 0.18 | 1               |
| o-Chlorotoluene                                     | ND     |           | ug/kg | 3.1  | 0.30 | 1               |
| p-Chlorotoluene                                     | ND     |           | ug/kg | 3.1  | 0.17 | 1               |
| 1,2-Dibromo-3-chloropropane                         | ND     |           | ug/kg | 4.7  | 1.6  | 1               |
| Hexachlorobutadiene                                 | ND     |           | ug/kg | 6.3  | 0.26 | 1               |
| Isopropylbenzene                                    | ND     |           | ug/kg | 1.6  | 0.17 | 1               |
| p-Isopropyltoluene                                  | ND     |           | ug/kg | 1.6  | 0.17 | 1               |
| Naphthalene   | 1.6    | J         | ug/kg | 6.3  | 1.0  | 1               |
| Acrylonitrile                                       | ND     |           | ug/kg | 6.3  | 1.8  | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-11  
**Client ID:** SB013 (0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 14:10  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/kg | 1.6 | 0.27 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/kg | 3.1 | 0.50 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/kg | 3.1 | 0.43 | 1               |
| 1,3,5-Trimethylbenzene                              | ND     |           | ug/kg | 3.1 | 0.30 | 1               |
| 1,2,4-Trimethylbenzene                              | 0.63   | J         | ug/kg | 3.1 | 0.52 | 1               |
| 1,4-Dioxane   | ND     |           | ug/kg | 120 | 55.  | 1               |
| p-Diethylbenzene                                    | ND     |           | ug/kg | 3.1 | 0.28 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/kg | 3.1 | 0.60 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | ND     |           | ug/kg | 3.1 | 0.30 | 1               |
| Ethyl ether   | ND     |           | ug/kg | 3.1 | 0.54 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/kg | 7.8 | 2.2  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 117        |           | 70-130              |
| Toluene-d8            | 108        |           | 70-130              |
| 4-Bromofluorobenzene  | 120        |           | 70-130              |
| Dibromofluoromethane  | 109        |           | 70-130              |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-12  
**Client ID:** SB013 (6-8)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 14:40  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 06/15/22 01:42  
**Analyst:** JC  
**Percent Solids:** 93%

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride   | ND     |           | ug/kg | 6.0  | 2.8  | 1               |
| 1,1-Dichloroethane   | ND     |           | ug/kg | 1.2  | 0.18 | 1               |
| Chloroform   | ND     |           | ug/kg | 1.8  | 0.17 | 1               |
| Carbon tetrachloride                                       | ND     |           | ug/kg | 1.2  | 0.28 | 1               |
| 1,2-Dichloropropane  | ND     |           | ug/kg | 1.2  | 0.15 | 1               |
| Dibromochloromethane                                       | ND     |           | ug/kg | 1.2  | 0.17 | 1               |
| 1,1,2-Trichloroethane                                      | ND     |           | ug/kg | 1.2  | 0.32 | 1               |
| Tetrachloroethene  | ND     |           | ug/kg | 0.60 | 0.24 | 1               |
| Chlorobenzene  | ND     |           | ug/kg | 0.60 | 0.15 | 1               |
| Trichlorofluoromethane                                     | ND     |           | ug/kg | 4.8  | 0.84 | 1               |
| 1,2-Dichloroethane   | ND     |           | ug/kg | 1.2  | 0.31 | 1               |
| 1,1,1-Trichloroethane                                      | ND     |           | ug/kg | 0.60 | 0.20 | 1               |
| Bromodichloromethane                                       | ND     |           | ug/kg | 0.60 | 0.13 | 1               |
| trans-1,3-Dichloropropene                                  | ND     |           | ug/kg | 1.2  | 0.33 | 1               |
| cis-1,3-Dichloropropene                                    | ND     |           | ug/kg | 0.60 | 0.19 | 1               |
| 1,3-Dichloropropene, Total                                 | ND     |           | ug/kg | 0.60 | 0.19 | 1               |
| 1,1-Dichloropropene  | ND     |           | ug/kg | 0.60 | 0.19 | 1               |
| Bromoform  | ND     |           | ug/kg | 4.8  | 0.30 | 1               |
| 1,1,2,2-Tetrachloroethane                                  | ND     |           | ug/kg | 0.60 | 0.20 | 1               |
| Benzene  | ND     |           | ug/kg | 0.60 | 0.20 | 1               |
| Toluene  | ND     |           | ug/kg | 1.2  | 0.66 | 1               |
| Ethylbenzene   | ND     |           | ug/kg | 1.2  | 0.17 | 1               |
| Chloromethane  | ND     |           | ug/kg | 4.8  | 1.1  | 1               |
| Bromomethane   | ND     |           | ug/kg | 2.4  | 0.70 | 1               |
| Vinyl chloride   | ND     |           | ug/kg | 1.2  | 0.40 | 1               |
| Chloroethane   | ND     |           | ug/kg | 2.4  | 0.54 | 1               |
| 1,1-Dichloroethene   | ND     |           | ug/kg | 1.2  | 0.29 | 1               |
| trans-1,2-Dichloroethene                                   | ND     |           | ug/kg | 1.8  | 0.16 | 1               |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

## SAMPLE RESULTS

Lab ID: L2231035-12  
 Client ID: SB013 (6-8)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 14:40  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |      |                 |
| Trichloroethene                                     | ND     |           | ug/kg | 0.60 | 0.16 | 1               |
| 1,2-Dichlorobenzene                                 | ND     |           | ug/kg | 2.4  | 0.17 | 1               |
| 1,3-Dichlorobenzene                                 | ND     |           | ug/kg | 2.4  | 0.18 | 1               |
| 1,4-Dichlorobenzene                                 | ND     |           | ug/kg | 2.4  | 0.21 | 1               |
| Methyl tert butyl ether                             | ND     |           | ug/kg | 2.4  | 0.24 | 1               |
| p/m-Xylene  | ND     |           | ug/kg | 2.4  | 0.68 | 1               |
| o-Xylene  | ND     |           | ug/kg | 1.2  | 0.35 | 1               |
| Xylenes, Total                                      | ND     |           | ug/kg | 1.2  | 0.35 | 1               |
| cis-1,2-Dichloroethene                              | ND     |           | ug/kg | 1.2  | 0.21 | 1               |
| 1,2-Dichloroethene, Total                           | ND     |           | ug/kg | 1.2  | 0.16 | 1               |
| Dibromomethane                                      | ND     |           | ug/kg | 2.4  | 0.29 | 1               |
| Styrene   | ND     |           | ug/kg | 1.2  | 0.24 | 1               |
| Dichlorodifluoromethane                             | ND     |           | ug/kg | 12   | 1.1  | 1               |
| Acetone   | ND     |           | ug/kg | 12   | 5.8  | 1               |
| Carbon disulfide                                    | ND     |           | ug/kg | 12   | 5.5  | 1               |
| 2-Butanone  | ND     |           | ug/kg | 12   | 2.7  | 1               |
| Vinyl acetate                                       | ND     |           | ug/kg | 12   | 2.6  | 1               |
| 4-Methyl-2-pentanone                                | ND     |           | ug/kg | 12   | 1.5  | 1               |
| 1,2,3-Trichloropropane                              | ND     |           | ug/kg | 2.4  | 0.15 | 1               |
| 2-Hexanone  | ND     |           | ug/kg | 12   | 1.4  | 1               |
| Bromochloromethane                                  | ND     |           | ug/kg | 2.4  | 0.25 | 1               |
| 2,2-Dichloropropane                                 | ND     |           | ug/kg | 2.4  | 0.24 | 1               |
| 1,2-Dibromoethane                                   | ND     |           | ug/kg | 1.2  | 0.34 | 1               |
| 1,3-Dichloropropane                                 | ND     |           | ug/kg | 2.4  | 0.20 | 1               |
| 1,1,1,2-Tetrachloroethane                           | ND     |           | ug/kg | 0.60 | 0.16 | 1               |
| Bromobenzene  | ND     |           | ug/kg | 2.4  | 0.18 | 1               |
| n-Butylbenzene                                      | ND     |           | ug/kg | 1.2  | 0.20 | 1               |
| sec-Butylbenzene                                    | ND     |           | ug/kg | 1.2  | 0.18 | 1               |
| tert-Butylbenzene                                   | ND     |           | ug/kg | 2.4  | 0.14 | 1               |
| o-Chlorotoluene                                     | ND     |           | ug/kg | 2.4  | 0.23 | 1               |
| p-Chlorotoluene                                     | ND     |           | ug/kg | 2.4  | 0.13 | 1               |
| 1,2-Dibromo-3-chloropropane                         | ND     |           | ug/kg | 3.6  | 1.2  | 1               |
| Hexachlorobutadiene                                 | ND     |           | ug/kg | 4.8  | 0.20 | 1               |
| Isopropylbenzene                                    | ND     |           | ug/kg | 1.2  | 0.13 | 1               |
| p-Isopropyltoluene                                  | ND     |           | ug/kg | 1.2  | 0.13 | 1               |
| Naphthalene   | ND     |           | ug/kg | 4.8  | 0.78 | 1               |
| Acrylonitrile                                       | ND     |           | ug/kg | 4.8  | 1.4  | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-12  
**Client ID:** SB013 (6-8)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 14:40  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/kg | 1.2 | 0.21 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/kg | 2.4 | 0.39 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/kg | 2.4 | 0.33 | 1               |
| 1,3,5-Trimethylbenzene                              | ND     |           | ug/kg | 2.4 | 0.23 | 1               |
| 1,2,4-Trimethylbenzene                              | ND     |           | ug/kg | 2.4 | 0.40 | 1               |
| 1,4-Dioxane   | ND     |           | ug/kg | 97  | 42.  | 1               |
| p-Diethylbenzene                                    | ND     |           | ug/kg | 2.4 | 0.21 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/kg | 2.4 | 0.46 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | ND     |           | ug/kg | 2.4 | 0.23 | 1               |
| Ethyl ether   | ND     |           | ug/kg | 2.4 | 0.41 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/kg | 6.0 | 1.7  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 113        |           | 70-130              |
| Toluene-d8            | 105        |           | 70-130              |
| 4-Bromofluorobenzene  | 111        |           | 70-130              |
| Dibromofluoromethane  | 108        |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-13  
 Client ID: SB013 (10-12)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 14:55  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 06/15/22 22:18  
 Analyst: LAC  
 Percent Solids: 93%

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride   | ND     |           | ug/kg | 7.2  | 3.3  | 1               |
| 1,1-Dichloroethane   | ND     |           | ug/kg | 1.4  | 0.21 | 1               |
| Chloroform   | ND     |           | ug/kg | 2.1  | 0.20 | 1               |
| Carbon tetrachloride                                       | ND     |           | ug/kg | 1.4  | 0.33 | 1               |
| 1,2-Dichloropropane  | ND     |           | ug/kg | 1.4  | 0.18 | 1               |
| Dibromochloromethane                                       | ND     |           | ug/kg | 1.4  | 0.20 | 1               |
| 1,1,2-Trichloroethane                                      | ND     |           | ug/kg | 1.4  | 0.38 | 1               |
| Tetrachloroethene  | ND     |           | ug/kg | 0.72 | 0.28 | 1               |
| Chlorobenzene  | ND     |           | ug/kg | 0.72 | 0.18 | 1               |
| Trichlorofluoromethane                                     | ND     |           | ug/kg | 5.7  | 0.99 | 1               |
| 1,2-Dichloroethane   | ND     |           | ug/kg | 1.4  | 0.37 | 1               |
| 1,1,1-Trichloroethane                                      | ND     |           | ug/kg | 0.72 | 0.24 | 1               |
| Bromodichloromethane                                       | ND     |           | ug/kg | 0.72 | 0.16 | 1               |
| trans-1,3-Dichloropropene                                  | ND     |           | ug/kg | 1.4  | 0.39 | 1               |
| cis-1,3-Dichloropropene                                    | ND     |           | ug/kg | 0.72 | 0.23 | 1               |
| 1,3-Dichloropropene, Total                                 | ND     |           | ug/kg | 0.72 | 0.23 | 1               |
| 1,1-Dichloropropene  | ND     |           | ug/kg | 0.72 | 0.23 | 1               |
| Bromoform  | ND     |           | ug/kg | 5.7  | 0.35 | 1               |
| 1,1,2,2-Tetrachloroethane                                  | ND     |           | ug/kg | 0.72 | 0.24 | 1               |
| Benzene  | ND     |           | ug/kg | 0.72 | 0.24 | 1               |
| Toluene  | ND     |           | ug/kg | 1.4  | 0.78 | 1               |
| Ethylbenzene   | ND     |           | ug/kg | 1.4  | 0.20 | 1               |
| Chloromethane  | ND     |           | ug/kg | 5.7  | 1.3  | 1               |
| Bromomethane   | ND     |           | ug/kg | 2.9  | 0.83 | 1               |
| Vinyl chloride   | ND     |           | ug/kg | 1.4  | 0.48 | 1               |
| Chloroethane   | ND     |           | ug/kg | 2.9  | 0.65 | 1               |
| 1,1-Dichloroethene   | ND     |           | ug/kg | 1.4  | 0.34 | 1               |
| trans-1,2-Dichloroethene                                   | ND     |           | ug/kg | 2.1  | 0.20 | 1               |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

## SAMPLE RESULTS

Lab ID: L2231035-13  
 Client ID: SB013 (10-12)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 14:55  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |      |                 |
| Trichloroethene                                     | ND     |           | ug/kg | 0.72 | 0.20 | 1               |
| 1,2-Dichlorobenzene                                 | ND     |           | ug/kg | 2.9  | 0.21 | 1               |
| 1,3-Dichlorobenzene                                 | ND     |           | ug/kg | 2.9  | 0.21 | 1               |
| 1,4-Dichlorobenzene                                 | ND     |           | ug/kg | 2.9  | 0.24 | 1               |
| Methyl tert butyl ether                             | ND     |           | ug/kg | 2.9  | 0.29 | 1               |
| p/m-Xylene  | ND     |           | ug/kg | 2.9  | 0.80 | 1               |
| o-Xylene  | ND     |           | ug/kg | 1.4  | 0.42 | 1               |
| Xylenes, Total                                      | ND     |           | ug/kg | 1.4  | 0.42 | 1               |
| cis-1,2-Dichloroethene                              | ND     |           | ug/kg | 1.4  | 0.25 | 1               |
| 1,2-Dichloroethene, Total                           | ND     |           | ug/kg | 1.4  | 0.20 | 1               |
| Dibromomethane                                      | ND     |           | ug/kg | 2.9  | 0.34 | 1               |
| Styrene   | ND     |           | ug/kg | 1.4  | 0.28 | 1               |
| Dichlorodifluoromethane                             | ND     |           | ug/kg | 14   | 1.3  | 1               |
| Acetone   | 8.5    | J         | ug/kg | 14   | 6.9  | 1               |
| Carbon disulfide                                    | ND     |           | ug/kg | 14   | 6.5  | 1               |
| 2-Butanone  | ND     |           | ug/kg | 14   | 3.2  | 1               |
| Vinyl acetate                                       | ND     |           | ug/kg | 14   | 3.1  | 1               |
| 4-Methyl-2-pentanone                                | ND     |           | ug/kg | 14   | 1.8  | 1               |
| 1,2,3-Trichloropropane                              | ND     |           | ug/kg | 2.9  | 0.18 | 1               |
| 2-Hexanone  | ND     |           | ug/kg | 14   | 1.7  | 1               |
| Bromochloromethane                                  | ND     |           | ug/kg | 2.9  | 0.29 | 1               |
| 2,2-Dichloropropane                                 | ND     |           | ug/kg | 2.9  | 0.29 | 1               |
| 1,2-Dibromoethane                                   | ND     |           | ug/kg | 1.4  | 0.40 | 1               |
| 1,3-Dichloropropane                                 | ND     |           | ug/kg | 2.9  | 0.24 | 1               |
| 1,1,1,2-Tetrachloroethane                           | ND     |           | ug/kg | 0.72 | 0.19 | 1               |
| Bromobenzene  | ND     |           | ug/kg | 2.9  | 0.21 | 1               |
| n-Butylbenzene                                      | ND     |           | ug/kg | 1.4  | 0.24 | 1               |
| sec-Butylbenzene                                    | ND     |           | ug/kg | 1.4  | 0.21 | 1               |
| tert-Butylbenzene                                   | ND     |           | ug/kg | 2.9  | 0.17 | 1               |
| o-Chlorotoluene                                     | ND     |           | ug/kg | 2.9  | 0.27 | 1               |
| p-Chlorotoluene                                     | ND     |           | ug/kg | 2.9  | 0.15 | 1               |
| 1,2-Dibromo-3-chloropropane                         | ND     |           | ug/kg | 4.3  | 1.4  | 1               |
| Hexachlorobutadiene                                 | ND     |           | ug/kg | 5.7  | 0.24 | 1               |
| Isopropylbenzene                                    | ND     |           | ug/kg | 1.4  | 0.16 | 1               |
| p-Isopropyltoluene                                  | ND     |           | ug/kg | 1.4  | 0.16 | 1               |
| Naphthalene   | ND     |           | ug/kg | 5.7  | 0.93 | 1               |
| Acrylonitrile                                       | ND     |           | ug/kg | 5.7  | 1.6  | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-13  
**Client ID:** SB013 (10-12)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 14:55  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/kg | 1.4 | 0.24 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/kg | 2.9 | 0.46 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/kg | 2.9 | 0.39 | 1               |
| 1,3,5-Trimethylbenzene                              | ND     |           | ug/kg | 2.9 | 0.28 | 1               |
| 1,2,4-Trimethylbenzene                              | ND     |           | ug/kg | 2.9 | 0.48 | 1               |
| 1,4-Dioxane   | ND     |           | ug/kg | 110 | 50.  | 1               |
| p-Diethylbenzene                                    | ND     |           | ug/kg | 2.9 | 0.25 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/kg | 2.9 | 0.55 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | ND     |           | ug/kg | 2.9 | 0.27 | 1               |
| Ethyl ether   | ND     |           | ug/kg | 2.9 | 0.49 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/kg | 7.2 | 2.0  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 106        |           | 70-130              |
| Toluene-d8            | 96         |           | 70-130              |
| 4-Bromofluorobenzene  | 100        |           | 70-130              |
| Dibromofluoromethane  | 106        |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 06/14/22 19:29  
Analyst: AJK

| Parameter  | Result | Qualifier | Units | RL   | MDL  |
|--|--------|-----------|-------|------|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04,06-09,11-12 Batch: WG1650798-5 |        |           |       |      |      |
| Methylene chloride   | ND     |           | ug/kg | 5.0  | 2.3  |
| 1,1-Dichloroethane   | ND     |           | ug/kg | 1.0  | 0.14 |
| Chloroform   | ND     |           | ug/kg | 1.5  | 0.14 |
| Carbon tetrachloride   | ND     |           | ug/kg | 1.0  | 0.23 |
| 1,2-Dichloropropane  | ND     |           | ug/kg | 1.0  | 0.12 |
| Dibromochloromethane   | ND     |           | ug/kg | 1.0  | 0.14 |
| 1,1,2-Trichloroethane  | ND     |           | ug/kg | 1.0  | 0.27 |
| Tetrachloroethene  | ND     |           | ug/kg | 0.50 | 0.20 |
| Chlorobenzene  | ND     |           | ug/kg | 0.50 | 0.13 |
| Trichlorofluoromethane   | ND     |           | ug/kg | 4.0  | 0.70 |
| 1,2-Dichloroethane   | ND     |           | ug/kg | 1.0  | 0.26 |
| 1,1,1-Trichloroethane  | ND     |           | ug/kg | 0.50 | 0.17 |
| Bromodichloromethane   | ND     |           | ug/kg | 0.50 | 0.11 |
| trans-1,3-Dichloropropene  | ND     |           | ug/kg | 1.0  | 0.27 |
| cis-1,3-Dichloropropene  | ND     |           | ug/kg | 0.50 | 0.16 |
| 1,3-Dichloropropene, Total   | ND     |           | ug/kg | 0.50 | 0.16 |
| 1,1-Dichloropropene  | ND     |           | ug/kg | 0.50 | 0.16 |
| Bromoform  | ND     |           | ug/kg | 4.0  | 0.25 |
| 1,1,2,2-Tetrachloroethane  | ND     |           | ug/kg | 0.50 | 0.17 |
| Benzene  | ND     |           | ug/kg | 0.50 | 0.17 |
| Toluene  | ND     |           | ug/kg | 1.0  | 0.54 |
| Ethylbenzene   | ND     |           | ug/kg | 1.0  | 0.14 |
| Chloromethane  | ND     |           | ug/kg | 4.0  | 0.93 |
| Bromomethane   | 1.5    | J         | ug/kg | 2.0  | 0.58 |
| Vinyl chloride   | ND     |           | ug/kg | 1.0  | 0.34 |
| Chloroethane   | ND     |           | ug/kg | 2.0  | 0.45 |
| 1,1-Dichloroethene   | ND     |           | ug/kg | 1.0  | 0.24 |
| trans-1,2-Dichloroethene   | ND     |           | ug/kg | 1.5  | 0.14 |
| Trichloroethene  | ND     |           | ug/kg | 0.50 | 0.14 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
Analytical Date: 06/14/22 19:29  
Analyst: AJK

| Parameter  | Result | Qualifier | Units | RL   | MDL  |
|--|--------|-----------|-------|------|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04,06-09,11-12 Batch: WG1650798-5 |        |           |       |      |      |
| 1,2-Dichlorobenzene  | ND     |           | ug/kg | 2.0  | 0.14 |
| 1,3-Dichlorobenzene  | ND     |           | ug/kg | 2.0  | 0.15 |
| 1,4-Dichlorobenzene  | ND     |           | ug/kg | 2.0  | 0.17 |
| Methyl tert butyl ether  | ND     |           | ug/kg | 2.0  | 0.20 |
| p/m-Xylene   | ND     |           | ug/kg | 2.0  | 0.56 |
| o-Xylene   | ND     |           | ug/kg | 1.0  | 0.29 |
| Xylenes, Total   | ND     |           | ug/kg | 1.0  | 0.29 |
| cis-1,2-Dichloroethene   | ND     |           | ug/kg | 1.0  | 0.18 |
| 1,2-Dichloroethene, Total  | ND     |           | ug/kg | 1.0  | 0.14 |
| Dibromomethane   | ND     |           | ug/kg | 2.0  | 0.24 |
| Styrene  | ND     |           | ug/kg | 1.0  | 0.20 |
| Dichlorodifluoromethane  | ND     |           | ug/kg | 10   | 0.92 |
| Acetone  | ND     |           | ug/kg | 10   | 4.8  |
| Carbon disulfide   | ND     |           | ug/kg | 10   | 4.6  |
| 2-Butanone   | ND     |           | ug/kg | 10   | 2.2  |
| Vinyl acetate  | ND     |           | ug/kg | 10   | 2.2  |
| 4-Methyl-2-pentanone   | ND     |           | ug/kg | 10   | 1.3  |
| 1,2,3-Trichloropropane   | ND     |           | ug/kg | 2.0  | 0.13 |
| 2-Hexanone   | ND     |           | ug/kg | 10   | 1.2  |
| Bromochloromethane   | ND     |           | ug/kg | 2.0  | 0.20 |
| 2,2-Dichloropropane  | ND     |           | ug/kg | 2.0  | 0.20 |
| 1,2-Dibromoethane  | ND     |           | ug/kg | 1.0  | 0.28 |
| 1,3-Dichloropropane  | ND     |           | ug/kg | 2.0  | 0.17 |
| 1,1,1,2-Tetrachloroethane  | ND     |           | ug/kg | 0.50 | 0.13 |
| Bromobenzene   | ND     |           | ug/kg | 2.0  | 0.14 |
| n-Butylbenzene   | ND     |           | ug/kg | 1.0  | 0.17 |
| sec-Butylbenzene   | ND     |           | ug/kg | 1.0  | 0.15 |
| tert-Butylbenzene  | ND     |           | ug/kg | 2.0  | 0.12 |
| o-Chlorotoluene  | ND     |           | ug/kg | 2.0  | 0.19 |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
Analytical Date: 06/14/22 19:29  
Analyst: AJK

| Parameter  | Result | Qualifier | Units | RL  | MDL  |
|--|--------|-----------|-------|-----|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04,06-09,11-12 Batch: WG1650798-5 |        |           |       |     |      |
| p-Chlorotoluene  | ND     |           | ug/kg | 2.0 | 0.11 |
| 1,2-Dibromo-3-chloropropane  | ND     |           | ug/kg | 3.0 | 1.0  |
| Hexachlorobutadiene  | ND     |           | ug/kg | 4.0 | 0.17 |
| Isopropylbenzene   | ND     |           | ug/kg | 1.0 | 0.11 |
| p-Isopropyltoluene   | ND     |           | ug/kg | 1.0 | 0.11 |
| Naphthalene  | ND     |           | ug/kg | 4.0 | 0.65 |
| Acrylonitrile  | ND     |           | ug/kg | 4.0 | 1.2  |
| n-Propylbenzene  | ND     |           | ug/kg | 1.0 | 0.17 |
| 1,2,3-Trichlorobenzene   | ND     |           | ug/kg | 2.0 | 0.32 |
| 1,2,4-Trichlorobenzene   | ND     |           | ug/kg | 2.0 | 0.27 |
| 1,3,5-Trimethylbenzene   | ND     |           | ug/kg | 2.0 | 0.19 |
| 1,2,4-Trimethylbenzene   | ND     |           | ug/kg | 2.0 | 0.33 |
| 1,4-Dioxane  | ND     |           | ug/kg | 80  | 35.  |
| p-Diethylbenzene   | ND     |           | ug/kg | 2.0 | 0.18 |
| p-Ethyltoluene   | ND     |           | ug/kg | 2.0 | 0.38 |
| 1,2,4,5-Tetramethylbenzene   | ND     |           | ug/kg | 2.0 | 0.19 |
| Ethyl ether  | ND     |           | ug/kg | 2.0 | 0.34 |
| trans-1,4-Dichloro-2-butene  | ND     |           | ug/kg | 5.0 | 1.4  |

| Surrogate             | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 108       |           | 70-130              |
| Toluene-d8            | 106       |           | 70-130              |
| 4-Bromofluorobenzene  | 106       |           | 70-130              |
| Dibromofluoromethane  | 97        |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**Method Blank Analysis  
 Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 06/14/22 08:28  
 Analyst: PD

| Parameter  | Result | Qualifier | Units | RL   | MDL  |
|--|--------|-----------|-------|------|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,10 Batch: WG1651266-5 |        |           |       |      |      |
| Methylene chloride   | ND     |           | ug/l  | 2.5  | 0.70 |
| 1,1-Dichloroethane   | ND     |           | ug/l  | 2.5  | 0.70 |
| Chloroform   | ND     |           | ug/l  | 2.5  | 0.70 |
| Carbon tetrachloride   | ND     |           | ug/l  | 0.50 | 0.13 |
| 1,2-Dichloropropane  | ND     |           | ug/l  | 1.0  | 0.14 |
| Dibromochloromethane   | ND     |           | ug/l  | 0.50 | 0.15 |
| 1,1,2-Trichloroethane  | ND     |           | ug/l  | 1.5  | 0.50 |
| Tetrachloroethene  | ND     |           | ug/l  | 0.50 | 0.18 |
| Chlorobenzene  | ND     |           | ug/l  | 2.5  | 0.70 |
| Trichlorofluoromethane   | ND     |           | ug/l  | 2.5  | 0.70 |
| 1,2-Dichloroethane   | ND     |           | ug/l  | 0.50 | 0.13 |
| 1,1,1-Trichloroethane  | ND     |           | ug/l  | 2.5  | 0.70 |
| Bromodichloromethane   | ND     |           | ug/l  | 0.50 | 0.19 |
| trans-1,3-Dichloropropene  | ND     |           | ug/l  | 0.50 | 0.16 |
| cis-1,3-Dichloropropene  | ND     |           | ug/l  | 0.50 | 0.14 |
| 1,3-Dichloropropene, Total   | ND     |           | ug/l  | 0.50 | 0.14 |
| 1,1-Dichloropropene  | ND     |           | ug/l  | 2.5  | 0.70 |
| Bromoform  | ND     |           | ug/l  | 2.0  | 0.65 |
| 1,1,2,2-Tetrachloroethane  | ND     |           | ug/l  | 0.50 | 0.17 |
| Benzene  | ND     |           | ug/l  | 0.50 | 0.16 |
| Toluene  | ND     |           | ug/l  | 2.5  | 0.70 |
| Ethylbenzene   | ND     |           | ug/l  | 2.5  | 0.70 |
| Chloromethane  | ND     |           | ug/l  | 2.5  | 0.70 |
| Bromomethane   | ND     |           | ug/l  | 2.5  | 0.70 |
| Vinyl chloride   | ND     |           | ug/l  | 1.0  | 0.07 |
| Chloroethane   | ND     |           | ug/l  | 2.5  | 0.70 |
| 1,1-Dichloroethene   | ND     |           | ug/l  | 0.50 | 0.17 |
| trans-1,2-Dichloroethene   | ND     |           | ug/l  | 2.5  | 0.70 |
| Trichloroethene  | ND     |           | ug/l  | 0.50 | 0.18 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
Analytical Date: 06/14/22 08:28  
Analyst: PD

| Parameter  | Result | Qualifier | Units | RL  | MDL  |
|--|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,10 Batch: WG1651266-5 |        |           |       |     |      |
| 1,2-Dichlorobenzene  | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,3-Dichlorobenzene  | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,4-Dichlorobenzene  | ND     |           | ug/l  | 2.5 | 0.70 |
| Methyl tert butyl ether  | ND     |           | ug/l  | 2.5 | 0.70 |
| p/m-Xylene   | ND     |           | ug/l  | 2.5 | 0.70 |
| o-Xylene   | ND     |           | ug/l  | 2.5 | 0.70 |
| Xylenes, Total   | ND     |           | ug/l  | 2.5 | 0.70 |
| cis-1,2-Dichloroethene   | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,2-Dichloroethene, Total  | ND     |           | ug/l  | 2.5 | 0.70 |
| Dibromomethane   | ND     |           | ug/l  | 5.0 | 1.0  |
| 1,2,3-Trichloropropane   | ND     |           | ug/l  | 2.5 | 0.70 |
| Acrylonitrile  | ND     |           | ug/l  | 5.0 | 1.5  |
| Styrene  | ND     |           | ug/l  | 2.5 | 0.70 |
| Dichlorodifluoromethane  | ND     |           | ug/l  | 5.0 | 1.0  |
| Acetone  | ND     |           | ug/l  | 5.0 | 1.5  |
| Carbon disulfide   | ND     |           | ug/l  | 5.0 | 1.0  |
| 2-Butanone   | ND     |           | ug/l  | 5.0 | 1.9  |
| Vinyl acetate  | ND     |           | ug/l  | 5.0 | 1.0  |
| 4-Methyl-2-pentanone   | ND     |           | ug/l  | 5.0 | 1.0  |
| 2-Hexanone   | ND     |           | ug/l  | 5.0 | 1.0  |
| Bromochloromethane   | ND     |           | ug/l  | 2.5 | 0.70 |
| 2,2-Dichloropropane  | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,2-Dibromoethane  | ND     |           | ug/l  | 2.0 | 0.65 |
| 1,3-Dichloropropane  | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,1,1,2-Tetrachloroethane  | ND     |           | ug/l  | 2.5 | 0.70 |
| Bromobenzene   | ND     |           | ug/l  | 2.5 | 0.70 |
| n-Butylbenzene   | ND     |           | ug/l  | 2.5 | 0.70 |
| sec-Butylbenzene   | ND     |           | ug/l  | 2.5 | 0.70 |
| tert-Butylbenzene  | ND     |           | ug/l  | 2.5 | 0.70 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 06/14/22 08:28  
Analyst: PD

| Parameter  | Result | Qualifier | Units | RL  | MDL  |
|--|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,10 Batch: WG1651266-5 |        |           |       |     |      |
| o-Chlorotoluene  | ND     |           | ug/l  | 2.5 | 0.70 |
| p-Chlorotoluene  | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,2-Dibromo-3-chloropropane  | ND     |           | ug/l  | 2.5 | 0.70 |
| Hexachlorobutadiene  | ND     |           | ug/l  | 2.5 | 0.70 |
| Isopropylbenzene   | ND     |           | ug/l  | 2.5 | 0.70 |
| p-Isopropyltoluene   | ND     |           | ug/l  | 2.5 | 0.70 |
| Naphthalene  | ND     |           | ug/l  | 2.5 | 0.70 |
| n-Propylbenzene  | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,2,3-Trichlorobenzene   | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,2,4-Trichlorobenzene   | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,3,5-Trimethylbenzene   | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,2,4-Trimethylbenzene   | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,4-Dioxane  | ND     |           | ug/l  | 250 | 61.  |
| p-Diethylbenzene   | ND     |           | ug/l  | 2.0 | 0.70 |
| p-Ethyltoluene   | ND     |           | ug/l  | 2.0 | 0.70 |
| 1,2,4,5-Tetramethylbenzene   | ND     |           | ug/l  | 2.0 | 0.54 |
| Ethyl ether  | ND     |           | ug/l  | 2.5 | 0.70 |
| trans-1,4-Dichloro-2-butene  | ND     |           | ug/l  | 2.5 | 0.70 |

| Surrogate             | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 104       |           | 70-130              |
| Toluene-d8            | 102       |           | 70-130              |
| 4-Bromofluorobenzene  | 98        |           | 70-130              |
| Dibromofluoromethane  | 105       |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 06/15/22 21:00  
Analyst: AJK

| Parameter   | Result | Qualifier | Units | RL   | MDL  |
|---|--------|-----------|-------|------|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,05,13 Batch: WG1651496-5 |        |           |       |      |      |
| Methylene chloride  | ND     |           | ug/kg | 5.0  | 2.3  |
| 1,1-Dichloroethane  | ND     |           | ug/kg | 1.0  | 0.14 |
| Chloroform  | ND     |           | ug/kg | 1.5  | 0.14 |
| Carbon tetrachloride  | ND     |           | ug/kg | 1.0  | 0.23 |
| 1,2-Dichloropropane   | ND     |           | ug/kg | 1.0  | 0.12 |
| Dibromochloromethane  | ND     |           | ug/kg | 1.0  | 0.14 |
| 1,1,2-Trichloroethane   | ND     |           | ug/kg | 1.0  | 0.27 |
| Tetrachloroethene   | ND     |           | ug/kg | 0.50 | 0.20 |
| Chlorobenzene   | ND     |           | ug/kg | 0.50 | 0.13 |
| Trichlorofluoromethane  | ND     |           | ug/kg | 4.0  | 0.70 |
| 1,2-Dichloroethane  | ND     |           | ug/kg | 1.0  | 0.26 |
| 1,1,1-Trichloroethane   | ND     |           | ug/kg | 0.50 | 0.17 |
| Bromodichloromethane  | ND     |           | ug/kg | 0.50 | 0.11 |
| trans-1,3-Dichloropropene   | ND     |           | ug/kg | 1.0  | 0.27 |
| cis-1,3-Dichloropropene   | ND     |           | ug/kg | 0.50 | 0.16 |
| 1,3-Dichloropropene, Total  | ND     |           | ug/kg | 0.50 | 0.16 |
| 1,1-Dichloropropene   | ND     |           | ug/kg | 0.50 | 0.16 |
| Bromoform   | ND     |           | ug/kg | 4.0  | 0.25 |
| 1,1,2,2-Tetrachloroethane   | ND     |           | ug/kg | 0.50 | 0.17 |
| Benzene   | ND     |           | ug/kg | 0.50 | 0.17 |
| Toluene   | ND     |           | ug/kg | 1.0  | 0.54 |
| Ethylbenzene  | ND     |           | ug/kg | 1.0  | 0.14 |
| Chloromethane   | ND     |           | ug/kg | 4.0  | 0.93 |
| Bromomethane  | ND     |           | ug/kg | 2.0  | 0.58 |
| Vinyl chloride  | ND     |           | ug/kg | 1.0  | 0.34 |
| Chloroethane  | ND     |           | ug/kg | 2.0  | 0.45 |
| 1,1-Dichloroethene  | ND     |           | ug/kg | 1.0  | 0.24 |
| trans-1,2-Dichloroethene  | ND     |           | ug/kg | 1.5  | 0.14 |
| Trichloroethene   | ND     |           | ug/kg | 0.50 | 0.14 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 06/15/22 21:00  
Analyst: AJK

| Parameter   | Result | Qualifier | Units | RL   | MDL  |
|---|--------|-----------|-------|------|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,05,13 Batch: WG1651496-5 |        |           |       |      |      |
| 1,2-Dichlorobenzene   | ND     |           | ug/kg | 2.0  | 0.14 |
| 1,3-Dichlorobenzene   | ND     |           | ug/kg | 2.0  | 0.15 |
| 1,4-Dichlorobenzene   | ND     |           | ug/kg | 2.0  | 0.17 |
| Methyl tert butyl ether   | ND     |           | ug/kg | 2.0  | 0.20 |
| p/m-Xylene  | ND     |           | ug/kg | 2.0  | 0.56 |
| o-Xylene  | ND     |           | ug/kg | 1.0  | 0.29 |
| Xylenes, Total  | ND     |           | ug/kg | 1.0  | 0.29 |
| cis-1,2-Dichloroethene  | ND     |           | ug/kg | 1.0  | 0.18 |
| 1,2-Dichloroethene, Total   | ND     |           | ug/kg | 1.0  | 0.14 |
| Dibromomethane  | ND     |           | ug/kg | 2.0  | 0.24 |
| Styrene   | ND     |           | ug/kg | 1.0  | 0.20 |
| Dichlorodifluoromethane   | ND     |           | ug/kg | 10   | 0.92 |
| Acetone   | ND     |           | ug/kg | 10   | 4.8  |
| Carbon disulfide  | ND     |           | ug/kg | 10   | 4.6  |
| 2-Butanone  | ND     |           | ug/kg | 10   | 2.2  |
| Vinyl acetate   | ND     |           | ug/kg | 10   | 2.2  |
| 4-Methyl-2-pentanone  | ND     |           | ug/kg | 10   | 1.3  |
| 1,2,3-Trichloropropane  | ND     |           | ug/kg | 2.0  | 0.13 |
| 2-Hexanone  | ND     |           | ug/kg | 10   | 1.2  |
| Bromochloromethane  | ND     |           | ug/kg | 2.0  | 0.20 |
| 2,2-Dichloropropane   | ND     |           | ug/kg | 2.0  | 0.20 |
| 1,2-Dibromoethane   | ND     |           | ug/kg | 1.0  | 0.28 |
| 1,3-Dichloropropane   | ND     |           | ug/kg | 2.0  | 0.17 |
| 1,1,1,2-Tetrachloroethane   | ND     |           | ug/kg | 0.50 | 0.13 |
| Bromobenzene  | ND     |           | ug/kg | 2.0  | 0.14 |
| n-Butylbenzene  | ND     |           | ug/kg | 1.0  | 0.17 |
| sec-Butylbenzene  | ND     |           | ug/kg | 1.0  | 0.15 |
| tert-Butylbenzene   | ND     |           | ug/kg | 2.0  | 0.12 |
| o-Chlorotoluene   | ND     |           | ug/kg | 2.0  | 0.19 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 06/15/22 21:00  
Analyst: AJK

| Parameter   | Result | Qualifier | Units | RL  | MDL  |
|---|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,05,13 Batch: WG1651496-5 |        |           |       |     |      |
| p-Chlorotoluene   | ND     |           | ug/kg | 2.0 | 0.11 |
| 1,2-Dibromo-3-chloropropane   | ND     |           | ug/kg | 3.0 | 1.0  |
| Hexachlorobutadiene   | ND     |           | ug/kg | 4.0 | 0.17 |
| Isopropylbenzene  | ND     |           | ug/kg | 1.0 | 0.11 |
| p-Isopropyltoluene  | ND     |           | ug/kg | 1.0 | 0.11 |
| Naphthalene   | ND     |           | ug/kg | 4.0 | 0.65 |
| Acrylonitrile   | ND     |           | ug/kg | 4.0 | 1.2  |
| n-Propylbenzene   | ND     |           | ug/kg | 1.0 | 0.17 |
| 1,2,3-Trichlorobenzene  | ND     |           | ug/kg | 2.0 | 0.32 |
| 1,2,4-Trichlorobenzene  | ND     |           | ug/kg | 2.0 | 0.27 |
| 1,3,5-Trimethylbenzene  | ND     |           | ug/kg | 2.0 | 0.19 |
| 1,2,4-Trimethylbenzene  | ND     |           | ug/kg | 2.0 | 0.33 |
| 1,4-Dioxane   | ND     |           | ug/kg | 80  | 35.  |
| p-Diethylbenzene  | ND     |           | ug/kg | 2.0 | 0.18 |
| p-Ethyltoluene  | ND     |           | ug/kg | 2.0 | 0.38 |
| 1,2,4,5-Tetramethylbenzene  | ND     |           | ug/kg | 2.0 | 0.19 |
| Ethyl ether   | ND     |           | ug/kg | 2.0 | 0.34 |
| trans-1,4-Dichloro-2-butene   | ND     |           | ug/kg | 5.0 | 1.4  |

| Surrogate             | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 97        |           | 70-130              |
| Toluene-d8            | 96        |           | 70-130              |
| 4-Bromofluorobenzene  | 97        |           | 70-130              |
| Dibromofluoromethane  | 101       |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 06/16/22 08:39  
Analyst: NLK

| Parameter  | Result | Qualifier | Units | RL   | MDL  |
|--|--------|-----------|-------|------|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG1651649-5 |        |           |       |      |      |
| Methylene chloride   | ND     |           | ug/kg | 5.0  | 2.3  |
| 1,1-Dichloroethane   | ND     |           | ug/kg | 1.0  | 0.14 |
| Chloroform   | ND     |           | ug/kg | 1.5  | 0.14 |
| Carbon tetrachloride   | ND     |           | ug/kg | 1.0  | 0.23 |
| 1,2-Dichloropropane  | ND     |           | ug/kg | 1.0  | 0.12 |
| Dibromochloromethane   | ND     |           | ug/kg | 1.0  | 0.14 |
| 1,1,2-Trichloroethane  | ND     |           | ug/kg | 1.0  | 0.27 |
| Tetrachloroethene  | ND     |           | ug/kg | 0.50 | 0.20 |
| Chlorobenzene  | ND     |           | ug/kg | 0.50 | 0.13 |
| Trichlorofluoromethane   | ND     |           | ug/kg | 4.0  | 0.70 |
| 1,2-Dichloroethane   | ND     |           | ug/kg | 1.0  | 0.26 |
| 1,1,1-Trichloroethane  | ND     |           | ug/kg | 0.50 | 0.17 |
| Bromodichloromethane   | ND     |           | ug/kg | 0.50 | 0.11 |
| trans-1,3-Dichloropropene  | ND     |           | ug/kg | 1.0  | 0.27 |
| cis-1,3-Dichloropropene  | ND     |           | ug/kg | 0.50 | 0.16 |
| 1,3-Dichloropropene, Total   | ND     |           | ug/kg | 0.50 | 0.16 |
| 1,1-Dichloropropene  | ND     |           | ug/kg | 0.50 | 0.16 |
| Bromoform  | ND     |           | ug/kg | 4.0  | 0.25 |
| 1,1,2,2-Tetrachloroethane  | ND     |           | ug/kg | 0.50 | 0.17 |
| Benzene  | ND     |           | ug/kg | 0.50 | 0.17 |
| Toluene  | ND     |           | ug/kg | 1.0  | 0.54 |
| Ethylbenzene   | ND     |           | ug/kg | 1.0  | 0.14 |
| Chloromethane  | ND     |           | ug/kg | 4.0  | 0.93 |
| Bromomethane   | ND     |           | ug/kg | 2.0  | 0.58 |
| Vinyl chloride   | ND     |           | ug/kg | 1.0  | 0.34 |
| Chloroethane   | ND     |           | ug/kg | 2.0  | 0.45 |
| 1,1-Dichloroethene   | ND     |           | ug/kg | 1.0  | 0.24 |
| trans-1,2-Dichloroethene   | ND     |           | ug/kg | 1.5  | 0.14 |
| Trichloroethene  | ND     |           | ug/kg | 0.50 | 0.14 |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
Analytical Date: 06/16/22 08:39  
Analyst: NLK

| Parameter  | Result | Qualifier | Units | RL   | MDL  |
|--|--------|-----------|-------|------|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG1651649-5 |        |           |       |      |      |
| 1,2-Dichlorobenzene  | ND     |           | ug/kg | 2.0  | 0.14 |
| 1,3-Dichlorobenzene  | ND     |           | ug/kg | 2.0  | 0.15 |
| 1,4-Dichlorobenzene  | ND     |           | ug/kg | 2.0  | 0.17 |
| Methyl tert butyl ether  | ND     |           | ug/kg | 2.0  | 0.20 |
| p/m-Xylene   | ND     |           | ug/kg | 2.0  | 0.56 |
| o-Xylene   | ND     |           | ug/kg | 1.0  | 0.29 |
| Xylenes, Total   | ND     |           | ug/kg | 1.0  | 0.29 |
| cis-1,2-Dichloroethene   | ND     |           | ug/kg | 1.0  | 0.18 |
| 1,2-Dichloroethene, Total  | ND     |           | ug/kg | 1.0  | 0.14 |
| Dibromomethane   | ND     |           | ug/kg | 2.0  | 0.24 |
| Styrene  | ND     |           | ug/kg | 1.0  | 0.20 |
| Dichlorodifluoromethane  | ND     |           | ug/kg | 10   | 0.92 |
| Acetone  | ND     |           | ug/kg | 10   | 4.8  |
| Carbon disulfide   | ND     |           | ug/kg | 10   | 4.6  |
| 2-Butanone   | ND     |           | ug/kg | 10   | 2.2  |
| Vinyl acetate  | ND     |           | ug/kg | 10   | 2.2  |
| 4-Methyl-2-pentanone   | ND     |           | ug/kg | 10   | 1.3  |
| 1,2,3-Trichloropropane   | ND     |           | ug/kg | 2.0  | 0.13 |
| 2-Hexanone   | ND     |           | ug/kg | 10   | 1.2  |
| Bromochloromethane   | ND     |           | ug/kg | 2.0  | 0.20 |
| 2,2-Dichloropropane  | ND     |           | ug/kg | 2.0  | 0.20 |
| 1,2-Dibromoethane  | ND     |           | ug/kg | 1.0  | 0.28 |
| 1,3-Dichloropropane  | ND     |           | ug/kg | 2.0  | 0.17 |
| 1,1,1,2-Tetrachloroethane  | ND     |           | ug/kg | 0.50 | 0.13 |
| Bromobenzene   | ND     |           | ug/kg | 2.0  | 0.14 |
| n-Butylbenzene   | ND     |           | ug/kg | 1.0  | 0.17 |
| sec-Butylbenzene   | ND     |           | ug/kg | 1.0  | 0.15 |
| tert-Butylbenzene  | ND     |           | ug/kg | 2.0  | 0.12 |
| o-Chlorotoluene  | ND     |           | ug/kg | 2.0  | 0.19 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
Analytical Date: 06/16/22 08:39  
Analyst: NLK

| Parameter  | Result | Qualifier | Units | RL  | MDL  |
|--|--------|-----------|-------|-----|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG1651649-5 |        |           |       |     |      |
| p-Chlorotoluene  | ND     |           | ug/kg | 2.0 | 0.11 |
| 1,2-Dibromo-3-chloropropane  | ND     |           | ug/kg | 3.0 | 1.0  |
| Hexachlorobutadiene  | ND     |           | ug/kg | 4.0 | 0.17 |
| Isopropylbenzene   | ND     |           | ug/kg | 1.0 | 0.11 |
| p-Isopropyltoluene   | ND     |           | ug/kg | 1.0 | 0.11 |
| Naphthalene  | ND     |           | ug/kg | 4.0 | 0.65 |
| Acrylonitrile  | ND     |           | ug/kg | 4.0 | 1.2  |
| n-Propylbenzene  | ND     |           | ug/kg | 1.0 | 0.17 |
| 1,2,3-Trichlorobenzene   | ND     |           | ug/kg | 2.0 | 0.32 |
| 1,2,4-Trichlorobenzene   | ND     |           | ug/kg | 2.0 | 0.27 |
| 1,3,5-Trimethylbenzene   | ND     |           | ug/kg | 2.0 | 0.19 |
| 1,2,4-Trimethylbenzene   | ND     |           | ug/kg | 2.0 | 0.33 |
| 1,4-Dioxane  | ND     |           | ug/kg | 80  | 35.  |
| p-Diethylbenzene   | ND     |           | ug/kg | 2.0 | 0.18 |
| p-Ethyltoluene   | ND     |           | ug/kg | 2.0 | 0.38 |
| 1,2,4,5-Tetramethylbenzene   | ND     |           | ug/kg | 2.0 | 0.19 |
| Ethyl ether  | ND     |           | ug/kg | 2.0 | 0.34 |
| trans-1,4-Dichloro-2-butene  | ND     |           | ug/kg | 5.0 | 1.4  |

| Surrogate             | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 95        |           | 70-130              |
| Toluene-d8            | 105       |           | 70-130              |
| 4-Bromofluorobenzene  | 108       |           | 70-130              |
| Dibromofluoromethane  | 90        |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
Analytical Date: 06/16/22 08:52  
Analyst: NLK

| Parameter   | Result | Qualifier | Units | RL  | MDL |
|---|--------|-----------|-------|-----|-----|
| Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03 Batch: WG1651656-5 |        |           |       |     |     |
| Methylene chloride  | ND     |           | ug/kg | 250 | 110 |
| 1,1-Dichloroethane  | ND     |           | ug/kg | 50  | 7.2 |
| Chloroform  | ND     |           | ug/kg | 75  | 7.0 |
| Carbon tetrachloride  | ND     |           | ug/kg | 50  | 12. |
| 1,2-Dichloropropane   | ND     |           | ug/kg | 50  | 6.2 |
| Dibromochloromethane  | ND     |           | ug/kg | 50  | 7.0 |
| 1,1,2-Trichloroethane   | ND     |           | ug/kg | 50  | 13. |
| Tetrachloroethene   | ND     |           | ug/kg | 25  | 9.8 |
| Chlorobenzene   | ND     |           | ug/kg | 25  | 6.4 |
| Trichlorofluoromethane  | ND     |           | ug/kg | 200 | 35. |
| 1,2-Dichloroethane  | ND     |           | ug/kg | 50  | 13. |
| 1,1,1-Trichloroethane   | ND     |           | ug/kg | 25  | 8.4 |
| Bromodichloromethane  | ND     |           | ug/kg | 25  | 5.4 |
| trans-1,3-Dichloropropene   | ND     |           | ug/kg | 50  | 14. |
| cis-1,3-Dichloropropene   | ND     |           | ug/kg | 25  | 7.9 |
| 1,3-Dichloropropene, Total  | ND     |           | ug/kg | 25  | 7.9 |
| 1,1-Dichloropropene   | ND     |           | ug/kg | 25  | 8.0 |
| Bromoform   | ND     |           | ug/kg | 200 | 12. |
| 1,1,2,2-Tetrachloroethane   | ND     |           | ug/kg | 25  | 8.3 |
| Benzene   | ND     |           | ug/kg | 25  | 8.3 |
| Toluene   | ND     |           | ug/kg | 50  | 27. |
| Ethylbenzene  | ND     |           | ug/kg | 50  | 7.0 |
| Chloromethane   | ND     |           | ug/kg | 200 | 47. |
| Bromomethane  | ND     |           | ug/kg | 100 | 29. |
| Vinyl chloride  | ND     |           | ug/kg | 50  | 17. |
| Chloroethane  | ND     |           | ug/kg | 100 | 23. |
| 1,1-Dichloroethene  | ND     |           | ug/kg | 50  | 12. |
| trans-1,2-Dichloroethene  | ND     |           | ug/kg | 75  | 6.8 |
| Trichloroethene   | ND     |           | ug/kg | 25  | 6.8 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
Analytical Date: 06/16/22 08:52  
Analyst: NLK

| Parameter   | Result | Qualifier | Units | RL  | MDL |
|---|--------|-----------|-------|-----|-----|
| Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03 Batch: WG1651656-5 |        |           |       |     |     |
| 1,2-Dichlorobenzene   | 42     | J         | ug/kg | 100 | 7.2 |
| 1,3-Dichlorobenzene   | 12     | J         | ug/kg | 100 | 7.4 |
| 1,4-Dichlorobenzene   | 18     | J         | ug/kg | 100 | 8.6 |
| Methyl tert butyl ether   | ND     |           | ug/kg | 100 | 10. |
| p/m-Xylene  | ND     |           | ug/kg | 100 | 28. |
| o-Xylene  | ND     |           | ug/kg | 50  | 14. |
| Xylenes, Total  | ND     |           | ug/kg | 50  | 14. |
| cis-1,2-Dichloroethene  | ND     |           | ug/kg | 50  | 8.8 |
| 1,2-Dichloroethene, Total   | ND     |           | ug/kg | 50  | 6.8 |
| Dibromomethane  | ND     |           | ug/kg | 100 | 12. |
| Styrene   | ND     |           | ug/kg | 50  | 9.8 |
| Dichlorodifluoromethane   | ND     |           | ug/kg | 500 | 46. |
| Acetone   | ND     |           | ug/kg | 500 | 240 |
| Carbon disulfide  | ND     |           | ug/kg | 500 | 230 |
| 2-Butanone  | ND     |           | ug/kg | 500 | 110 |
| Vinyl acetate   | ND     |           | ug/kg | 500 | 110 |
| 4-Methyl-2-pentanone  | ND     |           | ug/kg | 500 | 64. |
| 1,2,3-Trichloropropane  | ND     |           | ug/kg | 100 | 6.4 |
| 2-Hexanone  | ND     |           | ug/kg | 500 | 59. |
| Bromochloromethane  | ND     |           | ug/kg | 100 | 10. |
| 2,2-Dichloropropane   | ND     |           | ug/kg | 100 | 10. |
| 1,2-Dibromoethane   | ND     |           | ug/kg | 50  | 14. |
| 1,3-Dichloropropane   | ND     |           | ug/kg | 100 | 8.4 |
| 1,1,1,2-Tetrachloroethane   | ND     |           | ug/kg | 25  | 6.6 |
| Bromobenzene  | ND     |           | ug/kg | 100 | 7.2 |
| n-Butylbenzene  | ND     |           | ug/kg | 50  | 8.4 |
| sec-Butylbenzene  | ND     |           | ug/kg | 50  | 7.3 |
| tert-Butylbenzene   | ND     |           | ug/kg | 100 | 5.9 |
| o-Chlorotoluene   | ND     |           | ug/kg | 100 | 9.6 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 06/16/22 08:52  
Analyst: NLK

| Parameter   | Result | Qualifier | Units | RL   | MDL  |
|---|--------|-----------|-------|------|------|
| Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03 Batch: WG1651656-5 |        |           |       |      |      |
| p-Chlorotoluene   | ND     |           | ug/kg | 100  | 5.4  |
| 1,2-Dibromo-3-chloropropane   | ND     |           | ug/kg | 150  | 50.  |
| Hexachlorobutadiene   | ND     |           | ug/kg | 200  | 8.4  |
| Isopropylbenzene  | ND     |           | ug/kg | 50   | 5.4  |
| p-Isopropyltoluene  | ND     |           | ug/kg | 50   | 5.4  |
| Naphthalene   | ND     |           | ug/kg | 200  | 32.  |
| Acrylonitrile   | ND     |           | ug/kg | 200  | 58.  |
| n-Propylbenzene   | ND     |           | ug/kg | 50   | 8.6  |
| 1,2,3-Trichlorobenzene  | ND     |           | ug/kg | 100  | 16.  |
| 1,2,4-Trichlorobenzene  | ND     |           | ug/kg | 100  | 14.  |
| 1,3,5-Trimethylbenzene  | ND     |           | ug/kg | 100  | 9.6  |
| 1,2,4-Trimethylbenzene  | ND     |           | ug/kg | 100  | 17.  |
| 1,4-Dioxane   | ND     |           | ug/kg | 4000 | 1800 |
| p-Diethylbenzene  | ND     |           | ug/kg | 100  | 8.8  |
| p-Ethyltoluene  | ND     |           | ug/kg | 100  | 19.  |
| 1,2,4,5-Tetramethylbenzene  | ND     |           | ug/kg | 100  | 9.6  |
| Ethyl ether   | ND     |           | ug/kg | 100  | 17.  |
| trans-1,4-Dichloro-2-butene   | ND     |           | ug/kg | 250  | 71.  |

| Surrogate             | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 102       |           | 70-130              |
| Toluene-d8            | 97        |           | 70-130              |
| 4-Bromofluorobenzene  | 100       |           | 70-130              |
| Dibromofluoromethane  | 97        |           | 70-130              |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04,06-09,11-12 Batch: WG1650798-3 WG1650798-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride  | 86               |      | 82                |      | 70-130              | 5   |      | 30            |
| 1,1-Dichloroethane  | 99               |      | 94                |      | 70-130              | 5   |      | 30            |
| Chloroform  | 99               |      | 91                |      | 70-130              | 8   |      | 30            |
| Carbon tetrachloride  | 96               |      | 90                |      | 70-130              | 6   |      | 30            |
| 1,2-Dichloropropane   | 100              |      | 98                |      | 70-130              | 2   |      | 30            |
| Dibromochloromethane  | 100              |      | 99                |      | 70-130              | 1   |      | 30            |
| 1,1,2-Trichloroethane   | 103              |      | 102               |      | 70-130              | 1   |      | 30            |
| Tetrachloroethene   | 94               |      | 89                |      | 70-130              | 5   |      | 30            |
| Chlorobenzene   | 98               |      | 92                |      | 70-130              | 6   |      | 30            |
| Trichlorofluoromethane  | 80               |      | 75                |      | 70-139              | 6   |      | 30            |
| 1,2-Dichloroethane  | 100              |      | 96                |      | 70-130              | 4   |      | 30            |
| 1,1,1-Trichloroethane   | 100              |      | 92                |      | 70-130              | 8   |      | 30            |
| Bromodichloromethane  | 101              |      | 95                |      | 70-130              | 6   |      | 30            |
| trans-1,3-Dichloropropene   | 106              |      | 102               |      | 70-130              | 4   |      | 30            |
| cis-1,3-Dichloropropene   | 102              |      | 96                |      | 70-130              | 6   |      | 30            |
| 1,1-Dichloropropene   | 103              |      | 96                |      | 70-130              | 7   |      | 30            |
| Bromoform   | 90               |      | 88                |      | 70-130              | 2   |      | 30            |
| 1,1,2,2-Tetrachloroethane   | 107              |      | 108               |      | 70-130              | 1   |      | 30            |
| Benzene   | 98               |      | 94                |      | 70-130              | 4   |      | 30            |
| Toluene   | 100              |      | 95                |      | 70-130              | 5   |      | 30            |
| Ethylbenzene  | 101              |      | 95                |      | 70-130              | 6   |      | 30            |
| Chloromethane   | 91               |      | 84                |      | 52-130              | 8   |      | 30            |
| Bromomethane  | 140              |      | 129               |      | 57-147              | 8   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04,06-09,11-12 Batch: WG1650798-3 WG1650798-4 |                  |      |                   |      |                     |     |      |               |
| Vinyl chloride  | 100              |      | 93                |      | 67-130              | 7   |      | 30            |
| Chloroethane  | 92               |      | 88                |      | 50-151              | 4   |      | 30            |
| 1,1-Dichloroethene  | 90               |      | 84                |      | 65-135              | 7   |      | 30            |
| trans-1,2-Dichloroethene  | 91               |      | 87                |      | 70-130              | 4   |      | 30            |
| Trichloroethene   | 90               |      | 86                |      | 70-130              | 5   |      | 30            |
| 1,2-Dichlorobenzene   | 95               |      | 94                |      | 70-130              | 1   |      | 30            |
| 1,3-Dichlorobenzene   | 100              |      | 94                |      | 70-130              | 6   |      | 30            |
| 1,4-Dichlorobenzene   | 97               |      | 93                |      | 70-130              | 4   |      | 30            |
| Methyl tert butyl ether   | 90               |      | 89                |      | 66-130              | 1   |      | 30            |
| p/m-Xylene  | 98               |      | 93                |      | 70-130              | 5   |      | 30            |
| o-Xylene  | 97               |      | 92                |      | 70-130              | 5   |      | 30            |
| cis-1,2-Dichloroethene  | 93               |      | 87                |      | 70-130              | 7   |      | 30            |
| Dibromomethane  | 92               |      | 89                |      | 70-130              | 3   |      | 30            |
| Styrene   | 98               |      | 94                |      | 70-130              | 4   |      | 30            |
| Dichlorodifluoromethane   | 114              |      | 108               |      | 30-146              | 5   |      | 30            |
| Acetone   | 106              |      | 102               |      | 54-140              | 4   |      | 30            |
| Carbon disulfide  | 101              |      | 95                |      | 59-130              | 6   |      | 30            |
| 2-Butanone  | 102              |      | 105               |      | 70-130              | 3   |      | 30            |
| Vinyl acetate   | 114              |      | 110               |      | 70-130              | 4   |      | 30            |
| 4-Methyl-2-pentanone  | 89               |      | 94                |      | 70-130              | 5   |      | 30            |
| 1,2,3-Trichloropropane  | 97               |      | 98                |      | 68-130              | 1   |      | 30            |
| 2-Hexanone  | 99               |      | 104               |      | 70-130              | 5   |      | 30            |
| Bromochloromethane  | 88               |      | 85                |      | 70-130              | 3   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04,06-09,11-12 Batch: WG1650798-3 WG1650798-4 |                  |      |                   |      |                     |     |      |               |
| 2,2-Dichloropropane   | 98               |      | 93                |      | 70-130              | 5   |      | 30            |
| 1,2-Dibromoethane   | 102              |      | 101               |      | 70-130              | 1   |      | 30            |
| 1,3-Dichloropropane   | 102              |      | 102               |      | 69-130              | 0   |      | 30            |
| 1,1,1,2-Tetrachloroethane   | 102              |      | 99                |      | 70-130              | 3   |      | 30            |
| Bromobenzene  | 91               |      | 89                |      | 70-130              | 2   |      | 30            |
| n-Butylbenzene  | 116              |      | 111               |      | 70-130              | 4   |      | 30            |
| sec-Butylbenzene  | 106              |      | 101               |      | 70-130              | 5   |      | 30            |
| tert-Butylbenzene   | 100              |      | 96                |      | 70-130              | 4   |      | 30            |
| o-Chlorotoluene   | 104              |      | 100               |      | 70-130              | 4   |      | 30            |
| p-Chlorotoluene   | 105              |      | 101               |      | 70-130              | 4   |      | 30            |
| 1,2-Dibromo-3-chloropropane   | 93               |      | 100               |      | 68-130              | 7   |      | 30            |
| Hexachlorobutadiene   | 93               |      | 92                |      | 67-130              | 1   |      | 30            |
| Isopropylbenzene  | 101              |      | 97                |      | 70-130              | 4   |      | 30            |
| p-Isopropyltoluene  | 104              |      | 99                |      | 70-130              | 5   |      | 30            |
| Naphthalene   | 92               |      | 94                |      | 70-130              | 2   |      | 30            |
| Acrylonitrile   | 103              |      | 108               |      | 70-130              | 5   |      | 30            |
| n-Propylbenzene   | 106              |      | 101               |      | 70-130              | 5   |      | 30            |
| 1,2,3-Trichlorobenzene  | 93               |      | 93                |      | 70-130              | 0   |      | 30            |
| 1,2,4-Trichlorobenzene  | 94               |      | 92                |      | 70-130              | 2   |      | 30            |
| 1,3,5-Trimethylbenzene  | 103              |      | 99                |      | 70-130              | 4   |      | 30            |
| 1,2,4-Trimethylbenzene  | 102              |      | 98                |      | 70-130              | 4   |      | 30            |
| 1,4-Dioxane   | 94               |      | 97                |      | 65-136              | 3   |      | 30            |
| p-Diethylbenzene  | 107              |      | 101               |      | 70-130              | 6   |      | 30            |



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04,06-09,11-12 Batch: WG1650798-3 WG1650798-4 |                  |      |                   |      |                     |     |      |               |
| p-Ethyltoluene  | 104              |      | 102               |      | 70-130              | 2   |      | 30            |
| 1,2,4,5-Tetramethylbenzene  | 97               |      | 92                |      | 70-130              | 5   |      | 30            |
| Ethyl ether   | 90               |      | 86                |      | 67-130              | 5   |      | 30            |
| trans-1,4-Dichloro-2-butene   | 119              |      | 121               |      | 70-130              | 2   |      | 30            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 103              |      | 106               |      | 70-130                 |
| Toluene-d8            | 105              |      | 105               |      | 70-130                 |
| 4-Bromofluorobenzene  | 105              |      | 102               |      | 70-130                 |
| Dibromofluoromethane  | 97               |      | 95                |      | 70-130                 |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,10 Batch: WG1651266-3 WG1651266-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride  | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| 1,1-Dichloroethane  | 100              |      | 99                |      | 70-130              | 1   |      | 20            |
| Chloroform  | 100              |      | 99                |      | 70-130              | 1   |      | 20            |
| Carbon tetrachloride  | 110              |      | 110               |      | 63-132              | 0   |      | 20            |
| 1,2-Dichloropropane   | 100              |      | 94                |      | 70-130              | 6   |      | 20            |
| Dibromochloromethane  | 110              |      | 110               |      | 63-130              | 0   |      | 20            |
| 1,1,2-Trichloroethane   | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| Tetrachloroethene   | 110              |      | 99                |      | 70-130              | 11  |      | 20            |
| Chlorobenzene   | 100              |      | 100               |      | 75-130              | 0   |      | 20            |
| Trichlorofluoromethane  | 110              |      | 100               |      | 62-150              | 10  |      | 20            |
| 1,2-Dichloroethane  | 91               |      | 96                |      | 70-130              | 5   |      | 20            |
| 1,1,1-Trichloroethane   | 100              |      | 100               |      | 67-130              | 0   |      | 20            |
| Bromodichloromethane  | 110              |      | 100               |      | 67-130              | 10  |      | 20            |
| trans-1,3-Dichloropropene   | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| cis-1,3-Dichloropropene   | 100              |      | 99                |      | 70-130              | 1   |      | 20            |
| 1,1-Dichloropropene   | 96               |      | 96                |      | 70-130              | 0   |      | 20            |
| Bromoform   | 110              |      | 110               |      | 54-136              | 0   |      | 20            |
| 1,1,2,2-Tetrachloroethane   | 110              |      | 100               |      | 67-130              | 10  |      | 20            |
| Benzene   | 100              |      | 95                |      | 70-130              | 5   |      | 20            |
| Toluene   | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| Ethylbenzene  | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| Chloromethane   | 100              |      | 92                |      | 64-130              | 8   |      | 20            |
| Bromomethane  | 55               |      | 46                |      | 39-139              | 18  |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter   | LCS       |      | LCSD      |      | %Recovery Limits | RPD | Qual | RPD Limits |
|---|-----------|------|-----------|------|------------------|-----|------|------------|
|   | %Recovery | Qual | %Recovery | Qual |                  |     |      |            |
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,10 Batch: WG1651266-3 WG1651266-4 |           |      |           |      |                  |     |      |            |
| Vinyl chloride  | 100       |      | 99        |      | 55-140           | 1   |      | 20         |
| Chloroethane  | 85        |      | 78        |      | 55-138           | 9   |      | 20         |
| 1,1-Dichloroethene  | 100       |      | 100       |      | 61-145           | 0   |      | 20         |
| trans-1,2-Dichloroethene  | 110       |      | 100       |      | 70-130           | 10  |      | 20         |
| Trichloroethene   | 100       |      | 95        |      | 70-130           | 5   |      | 20         |
| 1,2-Dichlorobenzene   | 100       |      | 100       |      | 70-130           | 0   |      | 20         |
| 1,3-Dichlorobenzene   | 100       |      | 100       |      | 70-130           | 0   |      | 20         |
| 1,4-Dichlorobenzene   | 100       |      | 100       |      | 70-130           | 0   |      | 20         |
| Methyl tert butyl ether   | 96        |      | 97        |      | 63-130           | 1   |      | 20         |
| p/m-Xylene  | 100       |      | 100       |      | 70-130           | 0   |      | 20         |
| o-Xylene  | 110       |      | 100       |      | 70-130           | 10  |      | 20         |
| cis-1,2-Dichloroethene  | 98        |      | 98        |      | 70-130           | 0   |      | 20         |
| Dibromomethane  | 98        |      | 100       |      | 70-130           | 2   |      | 20         |
| 1,2,3-Trichloropropane  | 100       |      | 100       |      | 64-130           | 0   |      | 20         |
| Acrylonitrile   | 100       |      | 99        |      | 70-130           | 1   |      | 20         |
| Styrene   | 105       |      | 100       |      | 70-130           | 5   |      | 20         |
| Dichlorodifluoromethane   | 130       |      | 120       |      | 36-147           | 8   |      | 20         |
| Acetone   | 110       |      | 110       |      | 58-148           | 0   |      | 20         |
| Carbon disulfide  | 120       |      | 110       |      | 51-130           | 9   |      | 20         |
| 2-Butanone  | 94        |      | 90        |      | 63-138           | 4   |      | 20         |
| Vinyl acetate   | 100       |      | 97        |      | 70-130           | 3   |      | 20         |
| 4-Methyl-2-pentanone  | 90        |      | 96        |      | 59-130           | 6   |      | 20         |
| 2-Hexanone  | 95        |      | 95        |      | 57-130           | 0   |      | 20         |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,10 Batch: WG1651266-3 WG1651266-4 |                  |      |                   |      |                     |     |      |               |
| Bromochloromethane  | 96               |      | 100               |      | 70-130              | 4   |      | 20            |
| 2,2-Dichloropropane   | 110              |      | 110               |      | 63-133              | 0   |      | 20            |
| 1,2-Dibromoethane   | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| 1,3-Dichloropropane   | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| 1,1,1,2-Tetrachloroethane   | 110              |      | 100               |      | 64-130              | 10  |      | 20            |
| Bromobenzene  | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| n-Butylbenzene  | 93               |      | 89                |      | 53-136              | 4   |      | 20            |
| sec-Butylbenzene  | 86               |      | 83                |      | 70-130              | 4   |      | 20            |
| tert-Butylbenzene   | 92               |      | 86                |      | 70-130              | 7   |      | 20            |
| o-Chlorotoluene   | 99               |      | 96                |      | 70-130              | 3   |      | 20            |
| p-Chlorotoluene   | 98               |      | 98                |      | 70-130              | 0   |      | 20            |
| 1,2-Dibromo-3-chloropropane   | 120              |      | 120               |      | 41-144              | 0   |      | 20            |
| Hexachlorobutadiene   | 91               |      | 81                |      | 63-130              | 12  |      | 20            |
| Isopropylbenzene  | 89               |      | 87                |      | 70-130              | 2   |      | 20            |
| p-Isopropyltoluene  | 86               |      | 82                |      | 70-130              | 5   |      | 20            |
| Naphthalene   | 84               |      | 86                |      | 70-130              | 2   |      | 20            |
| n-Propylbenzene   | 92               |      | 91                |      | 69-130              | 1   |      | 20            |
| 1,2,3-Trichlorobenzene  | 87               |      | 93                |      | 70-130              | 7   |      | 20            |
| 1,2,4-Trichlorobenzene  | 90               |      | 92                |      | 70-130              | 2   |      | 20            |
| 1,3,5-Trimethylbenzene  | 92               |      | 90                |      | 64-130              | 2   |      | 20            |
| 1,2,4-Trimethylbenzene  | 94               |      | 94                |      | 70-130              | 0   |      | 20            |
| 1,4-Dioxane   | 100              |      | 106               |      | 56-162              | 6   |      | 20            |
| p-Diethylbenzene  | 87               |      | 85                |      | 70-130              | 2   |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Project Number: 3883.0001Y000

Lab Number: L2231035

Report Date: 06/27/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,10 Batch: WG1651266-3 WG1651266-4 |                  |      |                   |      |                     |     |      |               |
| p-Ethyltoluene  | 94               |      | 90                |      | 70-130              | 4   |      | 20            |
| 1,2,4,5-Tetramethylbenzene  | 86               |      | 86                |      | 70-130              | 0   |      | 20            |
| Ethyl ether   | 98               |      | 97                |      | 59-134              | 1   |      | 20            |
| trans-1,4-Dichloro-2-butene   | 110              |      | 120               |      | 70-130              | 9   |      | 20            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 97               |      | 100               |      | 70-130                 |
| Toluene-d8            | 104              |      | 102               |      | 70-130                 |
| 4-Bromofluorobenzene  | 90               |      | 95                |      | 70-130                 |
| Dibromofluoromethane  | 92               |      | 95                |      | 70-130                 |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,05,13 Batch: WG1651496-3 WG1651496-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride   | 98               |      | 99                |      | 70-130              | 1   |      | 30            |
| 1,1-Dichloroethane   | 102              |      | 102               |      | 70-130              | 0   |      | 30            |
| Chloroform   | 94               |      | 95                |      | 70-130              | 1   |      | 30            |
| Carbon tetrachloride   | 102              |      | 102               |      | 70-130              | 0   |      | 30            |
| 1,2-Dichloropropane  | 103              |      | 103               |      | 70-130              | 0   |      | 30            |
| Dibromochloromethane   | 98               |      | 100               |      | 70-130              | 2   |      | 30            |
| 1,1,2-Trichloroethane  | 95               |      | 96                |      | 70-130              | 1   |      | 30            |
| Tetrachloroethene  | 104              |      | 102               |      | 70-130              | 2   |      | 30            |
| Chlorobenzene  | 94               |      | 93                |      | 70-130              | 1   |      | 30            |
| Trichlorofluoromethane   | 81               |      | 83                |      | 70-139              | 2   |      | 30            |
| 1,2-Dichloroethane   | 99               |      | 101               |      | 70-130              | 2   |      | 30            |
| 1,1,1-Trichloroethane  | 102              |      | 101               |      | 70-130              | 1   |      | 30            |
| Bromodichloromethane   | 96               |      | 98                |      | 70-130              | 2   |      | 30            |
| trans-1,3-Dichloropropene  | 96               |      | 98                |      | 70-130              | 2   |      | 30            |
| cis-1,3-Dichloropropene  | 102              |      | 102               |      | 70-130              | 0   |      | 30            |
| 1,1-Dichloropropene  | 106              |      | 105               |      | 70-130              | 1   |      | 30            |
| Bromoform  | 92               |      | 94                |      | 70-130              | 2   |      | 30            |
| 1,1,2,2-Tetrachloroethane  | 92               |      | 93                |      | 70-130              | 1   |      | 30            |
| Benzene  | 99               |      | 99                |      | 70-130              | 0   |      | 30            |
| Toluene  | 92               |      | 92                |      | 70-130              | 0   |      | 30            |
| Ethylbenzene   | 93               |      | 92                |      | 70-130              | 1   |      | 30            |
| Chloromethane  | 123              |      | 120               |      | 52-130              | 2   |      | 30            |
| Bromomethane   | 80               |      | 78                |      | 57-147              | 3   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,05,13 Batch: WG1651496-3 WG1651496-4 |                  |      |                   |      |                     |     |      |               |
| Vinyl chloride   | 89               |      | 88                |      | 67-130              | 1   |      | 30            |
| Chloroethane   | 79               |      | 79                |      | 50-151              | 0   |      | 30            |
| 1,1-Dichloroethene   | 104              |      | 104               |      | 65-135              | 0   |      | 30            |
| trans-1,2-Dichloroethene   | 102              |      | 101               |      | 70-130              | 1   |      | 30            |
| Trichloroethene  | 99               |      | 99                |      | 70-130              | 0   |      | 30            |
| 1,2-Dichlorobenzene  | 93               |      | 93                |      | 70-130              | 0   |      | 30            |
| 1,3-Dichlorobenzene  | 93               |      | 93                |      | 70-130              | 0   |      | 30            |
| 1,4-Dichlorobenzene  | 92               |      | 91                |      | 70-130              | 1   |      | 30            |
| Methyl tert butyl ether  | 109              |      | 110               |      | 66-130              | 1   |      | 30            |
| p/m-Xylene   | 93               |      | 92                |      | 70-130              | 1   |      | 30            |
| o-Xylene   | 93               |      | 92                |      | 70-130              | 1   |      | 30            |
| cis-1,2-Dichloroethene   | 101              |      | 100               |      | 70-130              | 1   |      | 30            |
| Dibromomethane   | 99               |      | 101               |      | 70-130              | 2   |      | 30            |
| Styrene  | 91               |      | 91                |      | 70-130              | 0   |      | 30            |
| Dichlorodifluoromethane  | 103              |      | 101               |      | 30-146              | 2   |      | 30            |
| Acetone  | 118              |      | 119               |      | 54-140              | 1   |      | 30            |
| Carbon disulfide   | 101              |      | 101               |      | 59-130              | 0   |      | 30            |
| 2-Butanone   | 129              |      | 131               | Q    | 70-130              | 2   |      | 30            |
| Vinyl acetate  | 125              |      | 127               |      | 70-130              | 2   |      | 30            |
| 4-Methyl-2-pentanone   | 105              |      | 106               |      | 70-130              | 1   |      | 30            |
| 1,2,3-Trichloropropane   | 88               |      | 89                |      | 68-130              | 1   |      | 30            |
| 2-Hexanone   | 116              |      | 115               |      | 70-130              | 1   |      | 30            |
| Bromochloromethane   | 113              |      | 113               |      | 70-130              | 0   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter  | LCS       |      | LCSD      |      | %Recovery Limits | RPD | Qual | RPD Limits |
|--|-----------|------|-----------|------|------------------|-----|------|------------|
|  | %Recovery | Qual | %Recovery | Qual |                  |     |      |            |
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,05,13 Batch: WG1651496-3 WG1651496-4 |           |      |           |      |                  |     |      |            |
| 2,2-Dichloropropane  | 102       |      | 101       |      | 70-130           | 1   |      | 30         |
| 1,2-Dibromoethane  | 98        |      | 98        |      | 70-130           | 0   |      | 30         |
| 1,3-Dichloropropane  | 95        |      | 95        |      | 69-130           | 0   |      | 30         |
| 1,1,1,2-Tetrachloroethane  | 97        |      | 97        |      | 70-130           | 0   |      | 30         |
| Bromobenzene   | 94        |      | 94        |      | 70-130           | 0   |      | 30         |
| n-Butylbenzene   | 91        |      | 90        |      | 70-130           | 1   |      | 30         |
| sec-Butylbenzene   | 92        |      | 91        |      | 70-130           | 1   |      | 30         |
| tert-Butylbenzene  | 93        |      | 92        |      | 70-130           | 1   |      | 30         |
| o-Chlorotoluene  | 86        |      | 87        |      | 70-130           | 1   |      | 30         |
| p-Chlorotoluene  | 89        |      | 88        |      | 70-130           | 1   |      | 30         |
| 1,2-Dibromo-3-chloropropane  | 96        |      | 99        |      | 68-130           | 3   |      | 30         |
| Hexachlorobutadiene  | 95        |      | 94        |      | 67-130           | 1   |      | 30         |
| Isopropylbenzene   | 91        |      | 91        |      | 70-130           | 0   |      | 30         |
| p-Isopropyltoluene   | 94        |      | 92        |      | 70-130           | 2   |      | 30         |
| Naphthalene  | 95        |      | 96        |      | 70-130           | 1   |      | 30         |
| Acrylonitrile  | 124       |      | 125       |      | 70-130           | 1   |      | 30         |
| n-Propylbenzene  | 90        |      | 88        |      | 70-130           | 2   |      | 30         |
| 1,2,3-Trichlorobenzene   | 94        |      | 94        |      | 70-130           | 0   |      | 30         |
| 1,2,4-Trichlorobenzene   | 95        |      | 93        |      | 70-130           | 2   |      | 30         |
| 1,3,5-Trimethylbenzene   | 91        |      | 90        |      | 70-130           | 1   |      | 30         |
| 1,2,4-Trimethylbenzene   | 90        |      | 89        |      | 70-130           | 1   |      | 30         |
| 1,4-Dioxane  | 105       |      | 107       |      | 65-136           | 2   |      | 30         |
| p-Diethylbenzene   | 94        |      | 92        |      | 70-130           | 2   |      | 30         |



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,05,13 Batch: WG1651496-3 WG1651496-4 |                  |      |                   |      |                     |     |      |               |
| p-Ethyltoluene   | 92               |      | 91                |      | 70-130              | 1   |      | 30            |
| 1,2,4,5-Tetramethylbenzene   | 93               |      | 92                |      | 70-130              | 1   |      | 30            |
| Ethyl ether  | 114              |      | 116               |      | 67-130              | 2   |      | 30            |
| trans-1,4-Dichloro-2-butene  | 107              |      | 109               |      | 70-130              | 2   |      | 30            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 98               |      | 98                |      | 70-130                 |
| Toluene-d8            | 95               |      | 96                |      | 70-130                 |
| 4-Bromofluorobenzene  | 98               |      | 96                |      | 70-130                 |
| Dibromofluoromethane  | 101              |      | 103               |      | 70-130                 |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1651649-3 WG1651649-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride  | 84               |      | 83                |      | 70-130              | 1   |      | 30            |
| 1,1-Dichloroethane  | 90               |      | 90                |      | 70-130              | 0   |      | 30            |
| Chloroform  | 86               |      | 85                |      | 70-130              | 1   |      | 30            |
| Carbon tetrachloride  | 84               |      | 82                |      | 70-130              | 2   |      | 30            |
| 1,2-Dichloropropane   | 100              |      | 100               |      | 70-130              | 0   |      | 30            |
| Dibromochloromethane  | 88               |      | 94                |      | 70-130              | 7   |      | 30            |
| 1,1,2-Trichloroethane   | 97               |      | 103               |      | 70-130              | 6   |      | 30            |
| Tetrachloroethene   | 96               |      | 97                |      | 70-130              | 1   |      | 30            |
| Chlorobenzene   | 95               |      | 96                |      | 70-130              | 1   |      | 30            |
| Trichlorofluoromethane  | 70               |      | 68                | Q    | 70-139              | 3   |      | 30            |
| 1,2-Dichloroethane  | 81               |      | 85                |      | 70-130              | 5   |      | 30            |
| 1,1,1-Trichloroethane   | 88               |      | 86                |      | 70-130              | 2   |      | 30            |
| Bromodichloromethane  | 86               |      | 87                |      | 70-130              | 1   |      | 30            |
| trans-1,3-Dichloropropene   | 98               |      | 102               |      | 70-130              | 4   |      | 30            |
| cis-1,3-Dichloropropene   | 99               |      | 100               |      | 70-130              | 1   |      | 30            |
| 1,1-Dichloropropene   | 102              |      | 101               |      | 70-130              | 1   |      | 30            |
| Bromoform   | 82               |      | 87                |      | 70-130              | 6   |      | 30            |
| 1,1,1,2-Tetrachloroethane   | 100              |      | 106               |      | 70-130              | 6   |      | 30            |
| Benzene   | 98               |      | 97                |      | 70-130              | 1   |      | 30            |
| Toluene   | 98               |      | 97                |      | 70-130              | 1   |      | 30            |
| Ethylbenzene  | 100              |      | 99                |      | 70-130              | 1   |      | 30            |
| Chloromethane   | 87               |      | 85                |      | 52-130              | 2   |      | 30            |
| Bromomethane  | 91               |      | 84                |      | 57-147              | 8   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1651649-3 WG1651649-4 |                  |      |                   |      |                     |     |      |               |
| Vinyl chloride  | 84               |      | 82                |      | 67-130              | 2   |      | 30            |
| Chloroethane  | 86               |      | 83                |      | 50-151              | 4   |      | 30            |
| 1,1-Dichloroethene  | 77               |      | 76                |      | 65-135              | 1   |      | 30            |
| trans-1,2-Dichloroethene  | 88               |      | 86                |      | 70-130              | 2   |      | 30            |
| Trichloroethene   | 96               |      | 99                |      | 70-130              | 3   |      | 30            |
| 1,2-Dichlorobenzene   | 95               |      | 96                |      | 70-130              | 1   |      | 30            |
| 1,3-Dichlorobenzene   | 98               |      | 98                |      | 70-130              | 0   |      | 30            |
| 1,4-Dichlorobenzene   | 97               |      | 96                |      | 70-130              | 1   |      | 30            |
| Methyl tert butyl ether   | 94               |      | 100               |      | 66-130              | 6   |      | 30            |
| p/m-Xylene  | 97               |      | 96                |      | 70-130              | 1   |      | 30            |
| o-Xylene  | 96               |      | 96                |      | 70-130              | 0   |      | 30            |
| cis-1,2-Dichloroethene  | 86               |      | 86                |      | 70-130              | 0   |      | 30            |
| Dibromomethane  | 78               |      | 82                |      | 70-130              | 5   |      | 30            |
| Styrene   | 93               |      | 94                |      | 70-130              | 1   |      | 30            |
| Dichlorodifluoromethane   | 71               |      | 69                |      | 30-146              | 3   |      | 30            |
| Acetone   | 90               |      | 102               |      | 54-140              | 13  |      | 30            |
| Carbon disulfide  | 83               |      | 80                |      | 59-130              | 4   |      | 30            |
| 2-Butanone  | 78               |      | 88                |      | 70-130              | 12  |      | 30            |
| Vinyl acetate   | 94               |      | 97                |      | 70-130              | 3   |      | 30            |
| 4-Methyl-2-pentanone  | 85               |      | 98                |      | 70-130              | 14  |      | 30            |
| 1,2,3-Trichloropropane  | 98               |      | 106               |      | 68-130              | 8   |      | 30            |
| 2-Hexanone  | 71               |      | 83                |      | 70-130              | 16  |      | 30            |
| Bromochloromethane  | 82               |      | 82                |      | 70-130              | 0   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter   | LCS       |      | LCSD      |      | %Recovery Limits | RPD | RPD  |        |
|---|-----------|------|-----------|------|------------------|-----|------|--------|
|   | %Recovery | Qual | %Recovery | Qual |                  |     | Qual | Limits |
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1651649-3 WG1651649-4 |           |      |           |      |                  |     |      |        |
| 2,2-Dichloropropane   | 89        |      | 86        |      | 70-130           | 3   |      | 30     |
| 1,2-Dibromoethane   | 92        |      | 97        |      | 70-130           | 5   |      | 30     |
| 1,3-Dichloropropane   | 97        |      | 104       |      | 69-130           | 7   |      | 30     |
| 1,1,1,2-Tetrachloroethane   | 97        |      | 98        |      | 70-130           | 1   |      | 30     |
| Bromobenzene  | 93        |      | 95        |      | 70-130           | 2   |      | 30     |
| n-Butylbenzene  | 119       |      | 116       |      | 70-130           | 3   |      | 30     |
| sec-Butylbenzene  | 111       |      | 109       |      | 70-130           | 2   |      | 30     |
| tert-Butylbenzene   | 104       |      | 103       |      | 70-130           | 1   |      | 30     |
| o-Chlorotoluene   | 103       |      | 106       |      | 70-130           | 3   |      | 30     |
| p-Chlorotoluene   | 105       |      | 103       |      | 70-130           | 2   |      | 30     |
| 1,2-Dibromo-3-chloropropane   | 78        |      | 86        |      | 68-130           | 10  |      | 30     |
| Hexachlorobutadiene   | 96        |      | 96        |      | 67-130           | 0   |      | 30     |
| Isopropylbenzene  | 109       |      | 106       |      | 70-130           | 3   |      | 30     |
| p-Isopropyltoluene  | 110       |      | 108       |      | 70-130           | 2   |      | 30     |
| Naphthalene   | 92        |      | 98        |      | 70-130           | 6   |      | 30     |
| Acrylonitrile   | 84        |      | 93        |      | 70-130           | 10  |      | 30     |
| n-Propylbenzene   | 112       |      | 110       |      | 70-130           | 2   |      | 30     |
| 1,2,3-Trichlorobenzene  | 97        |      | 100       |      | 70-130           | 3   |      | 30     |
| 1,2,4-Trichlorobenzene  | 102       |      | 103       |      | 70-130           | 1   |      | 30     |
| 1,3,5-Trimethylbenzene  | 108       |      | 107       |      | 70-130           | 1   |      | 30     |
| 1,2,4-Trimethylbenzene  | 109       |      | 108       |      | 70-130           | 1   |      | 30     |
| 1,4-Dioxane   | 84        |      | 88        |      | 65-136           | 5   |      | 30     |
| p-Diethylbenzene  | 113       |      | 112       |      | 70-130           | 1   |      | 30     |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1651649-3 WG1651649-4 |                  |      |                   |      |                     |     |      |               |
| p-Ethyltoluene  | 110              |      | 108               |      | 70-130              | 2   |      | 30            |
| 1,2,4,5-Tetramethylbenzene  | 112              |      | 113               |      | 70-130              | 1   |      | 30            |
| Ethyl ether   | 90               |      | 94                |      | 67-130              | 4   |      | 30            |
| trans-1,4-Dichloro-2-butene   | 96               |      | 106               |      | 70-130              | 10  |      | 30            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 84               |      | 88                |      | 70-130                 |
| Toluene-d8            | 106              |      | 106               |      | 70-130                 |
| 4-Bromofluorobenzene  | 109              |      | 109               |      | 70-130                 |
| Dibromofluoromethane  | 87               |      | 87                |      | 70-130                 |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG1651656-3 WG1651656-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride   | 90               |      | 95                |      | 70-130              | 5   |      | 30            |
| 1,1-Dichloroethane   | 96               |      | 100               |      | 70-130              | 4   |      | 30            |
| Chloroform   | 87               |      | 91                |      | 70-130              | 4   |      | 30            |
| Carbon tetrachloride   | 89               |      | 95                |      | 70-130              | 7   |      | 30            |
| 1,2-Dichloropropane  | 96               |      | 99                |      | 70-130              | 3   |      | 30            |
| Dibromochloromethane   | 91               |      | 93                |      | 70-130              | 2   |      | 30            |
| 1,1,2-Trichloroethane  | 90               |      | 91                |      | 70-130              | 1   |      | 30            |
| Tetrachloroethene  | 89               |      | 92                |      | 70-130              | 3   |      | 30            |
| Chlorobenzene  | 85               |      | 88                |      | 70-130              | 3   |      | 30            |
| Trichlorofluoromethane   | 69               | Q    | 73                |      | 70-139              | 6   |      | 30            |
| 1,2-Dichloroethane   | 94               |      | 96                |      | 70-130              | 2   |      | 30            |
| 1,1,1-Trichloroethane  | 91               |      | 96                |      | 70-130              | 5   |      | 30            |
| Bromodichloromethane   | 89               |      | 93                |      | 70-130              | 4   |      | 30            |
| trans-1,3-Dichloropropene  | 91               |      | 93                |      | 70-130              | 2   |      | 30            |
| cis-1,3-Dichloropropene  | 94               |      | 97                |      | 70-130              | 3   |      | 30            |
| 1,1-Dichloropropene  | 94               |      | 99                |      | 70-130              | 5   |      | 30            |
| Bromoform  | 87               |      | 88                |      | 70-130              | 1   |      | 30            |
| 1,1,2,2-Tetrachloroethane  | 89               |      | 90                |      | 70-130              | 1   |      | 30            |
| Benzene  | 90               |      | 95                |      | 70-130              | 5   |      | 30            |
| Toluene  | 84               |      | 87                |      | 70-130              | 4   |      | 30            |
| Ethylbenzene   | 84               |      | 88                |      | 70-130              | 5   |      | 30            |
| Chloromethane  | 116              |      | 121               |      | 52-130              | 4   |      | 30            |
| Bromomethane   | 69               |      | 71                |      | 57-147              | 3   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG1651656-3 WG1651656-4 |                  |      |                   |      |                     |     |      |               |
| Vinyl chloride   | 79               |      | 84                |      | 67-130              | 6   |      | 30            |
| Chloroethane   | 74               |      | 78                |      | 50-151              | 5   |      | 30            |
| 1,1-Dichloroethene   | 91               |      | 95                |      | 65-135              | 4   |      | 30            |
| trans-1,2-Dichloroethene   | 92               |      | 97                |      | 70-130              | 5   |      | 30            |
| Trichloroethene  | 90               |      | 93                |      | 70-130              | 3   |      | 30            |
| 1,2-Dichlorobenzene  | 88               |      | 90                |      | 70-130              | 2   |      | 30            |
| 1,3-Dichlorobenzene  | 86               |      | 89                |      | 70-130              | 3   |      | 30            |
| 1,4-Dichlorobenzene  | 85               |      | 88                |      | 70-130              | 3   |      | 30            |
| Methyl tert butyl ether  | 104              |      | 105               |      | 66-130              | 1   |      | 30            |
| p/m-Xylene   | 84               |      | 87                |      | 70-130              | 4   |      | 30            |
| o-Xylene   | 83               |      | 87                |      | 70-130              | 5   |      | 30            |
| cis-1,2-Dichloroethene   | 90               |      | 94                |      | 70-130              | 4   |      | 30            |
| Dibromomethane   | 91               |      | 94                |      | 70-130              | 3   |      | 30            |
| Styrene  | 83               |      | 86                |      | 70-130              | 4   |      | 30            |
| Dichlorodifluoromethane  | 86               |      | 89                |      | 30-146              | 3   |      | 30            |
| Acetone  | 135              |      | 138               |      | 54-140              | 2   |      | 30            |
| Carbon disulfide   | 92               |      | 97                |      | 59-130              | 5   |      | 30            |
| 2-Butanone   | 138              | Q    | 136               | Q    | 70-130              | 1   |      | 30            |
| Vinyl acetate  | 124              |      | 129               |      | 70-130              | 4   |      | 30            |
| 4-Methyl-2-pentanone   | 105              |      | 105               |      | 70-130              | 0   |      | 30            |
| 1,2,3-Trichloropropane   | 86               |      | 86                |      | 68-130              | 0   |      | 30            |
| 2-Hexanone   | 118              |      | 117               |      | 70-130              | 1   |      | 30            |
| Bromochloromethane   | 99               |      | 103               |      | 70-130              | 4   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG1651656-3 WG1651656-4 |                  |      |                   |      |                     |     |      |               |
| 2,2-Dichloropropane  | 92               |      | 96                |      | 70-130              | 4   |      | 30            |
| 1,2-Dibromoethane  | 90               |      | 92                |      | 70-130              | 2   |      | 30            |
| 1,3-Dichloropropane  | 89               |      | 90                |      | 69-130              | 1   |      | 30            |
| 1,1,1,2-Tetrachloroethane  | 88               |      | 90                |      | 70-130              | 2   |      | 30            |
| Bromobenzene   | 84               |      | 86                |      | 70-130              | 2   |      | 30            |
| n-Butylbenzene   | 83               |      | 88                |      | 70-130              | 6   |      | 30            |
| sec-Butylbenzene   | 83               |      | 87                |      | 70-130              | 5   |      | 30            |
| tert-Butylbenzene  | 83               |      | 88                |      | 70-130              | 6   |      | 30            |
| o-Chlorotoluene  | 82               |      | 85                |      | 70-130              | 4   |      | 30            |
| p-Chlorotoluene  | 82               |      | 86                |      | 70-130              | 5   |      | 30            |
| 1,2-Dibromo-3-chloropropane  | 94               |      | 93                |      | 68-130              | 1   |      | 30            |
| Hexachlorobutadiene  | 82               |      | 88                |      | 67-130              | 7   |      | 30            |
| Isopropylbenzene   | 83               |      | 86                |      | 70-130              | 4   |      | 30            |
| p-Isopropyltoluene   | 84               |      | 88                |      | 70-130              | 5   |      | 30            |
| Naphthalene  | 90               |      | 92                |      | 70-130              | 2   |      | 30            |
| Acrylonitrile  | 131              | Q    | 131               | Q    | 70-130              | 0   |      | 30            |
| n-Propylbenzene  | 82               |      | 86                |      | 70-130              | 5   |      | 30            |
| 1,2,3-Trichlorobenzene   | 87               |      | 89                |      | 70-130              | 2   |      | 30            |
| 1,2,4-Trichlorobenzene   | 87               |      | 90                |      | 70-130              | 3   |      | 30            |
| 1,3,5-Trimethylbenzene   | 82               |      | 87                |      | 70-130              | 6   |      | 30            |
| 1,2,4-Trimethylbenzene   | 83               |      | 85                |      | 70-130              | 2   |      | 30            |
| 1,4-Dioxane  | 124              |      | 129               |      | 65-136              | 4   |      | 30            |
| p-Diethylbenzene   | 85               |      | 90                |      | 70-130              | 6   |      | 30            |



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG1651656-3 WG1651656-4 |                  |      |                   |      |                     |     |      |               |
| p-Ethyltoluene   | 85               |      | 88                |      | 70-130              | 3   |      | 30            |
| 1,2,4,5-Tetramethylbenzene   | 85               |      | 88                |      | 70-130              | 3   |      | 30            |
| Ethyl ether  | 107              |      | 109               |      | 67-130              | 2   |      | 30            |
| trans-1,4-Dichloro-2-butene  | 108              |      | 108               |      | 70-130              | 0   |      | 30            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 101              |      | 100               |      | 70-130                 |
| Toluene-d8            | 96               |      | 96                |      | 70-130                 |
| 4-Bromofluorobenzene  | 97               |      | 96                |      | 70-130                 |
| Dibromofluoromethane  | 101              |      | 102               |      | 70-130                 |

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2231035

**Project Number:** 3883.0001Y000

**Report Date:** 06/27/22

| <b>Parameter</b>  | <b>Native Sample</b> | <b>MS Added</b> | <b>MS Found</b> | <b>MS %Recovery</b> | <b>Qual</b> | <b>MSD Found</b> | <b>MSD %Recovery</b> | <b>Qual</b> | <b>Recovery Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD Limits</b> |
|---|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04,06-09,11-12 QC Batch ID: WG1650798-6 WG1650798-7 QC Sample: L2231035-04 Client ID: SB016 (0-2) |                      |                 |                 |                     |             |                  |                      |             |                        |            |             |                   |
| Methylene chloride  | ND                   | 150             | 120             | 82                  |             | 120              | 80                   |             | 70-130                 | 1          |             | 30                |
| 1,1-Dichloroethane  | ND                   | 150             | 150             | 102                 |             | 160              | 105                  |             | 70-130                 | 5          |             | 30                |
| Chloroform  | ND                   | 150             | 140             | 94                  |             | 140              | 95                   |             | 70-130                 | 3          |             | 30                |
| Carbon tetrachloride  | ND                   | 150             | 150             | 100                 |             | 160              | 105                  |             | 70-130                 | 6          |             | 30                |
| 1,2-Dichloropropane   | ND                   | 150             | 150             | 102                 |             | 150              | 101                  |             | 70-130                 | 1          |             | 30                |
| Dibromochloromethane  | ND                   | 150             | 120             | 80                  |             | 140              | 89                   |             | 70-130                 | 12         |             | 30                |
| 1,1,2-Trichloroethane   | ND                   | 150             | 58              | 39                  | Q           | 120              | 79                   |             | 70-130                 | 69         | Q           | 30                |
| Tetrachloroethene   | ND                   | 150             | 130             | 88                  |             | 140              | 90                   |             | 70-130                 | 4          |             | 30                |
| Chlorobenzene   | ND                   | 150             | 120             | 79                  |             | 110              | 74                   |             | 70-130                 | 5          |             | 30                |
| Trichlorofluoromethane  | ND                   | 150             | 160             | 110                 |             | 180              | 121                  |             | 70-139                 | 11         |             | 30                |
| 1,2-Dichloroethane  | ND                   | 150             | 140             | 93                  |             | 130              | 88                   |             | 70-130                 | 4          |             | 30                |
| 1,1,1-Trichloroethane   | ND                   | 150             | 160             | 105                 |             | 170              | 110                  |             | 70-130                 | 6          |             | 30                |
| Bromodichloromethane  | ND                   | 150             | 120             | 78                  |             | 130              | 87                   |             | 70-130                 | 12         |             | 30                |
| trans-1,3-Dichloropropene   | ND                   | 150             | 120             | 77                  |             | 110              | 69                   | Q           | 70-130                 | 9          |             | 30                |
| cis-1,3-Dichloropropene   | ND                   | 150             | 120             | 83                  |             | 120              | 78                   |             | 70-130                 | 5          |             | 30                |
| 1,1-Dichloropropene   | ND                   | 150             | 150             | 103                 |             | 160              | 105                  |             | 70-130                 | 3          |             | 30                |
| Bromoform   | ND                   | 150             | 130             | 85                  |             | 150              | 96                   |             | 70-130                 | 14         |             | 30                |
| 1,1,2,2-Tetrachloroethane   | ND                   | 150             | ND              | 0                   | Q           | ND               | 0                    | Q           | 70-130                 | NC         |             | 30                |
| Benzene   | ND                   | 150             | 150             | 100                 |             | 150              | 101                  |             | 70-130                 | 2          |             | 30                |
| Toluene   | ND                   | 150             | 140             | 96                  |             | 150              | 98                   |             | 70-130                 | 3          |             | 30                |
| Ethylbenzene  | ND                   | 150             | 130             | 90                  |             | 130              | 88                   |             | 70-130                 | 0          |             | 30                |
| Chloromethane   | ND                   | 150             | 140             | 90                  |             | 160              | 102                  |             | 52-130                 | 14         |             | 30                |
| Bromomethane  | ND                   | 150             | 220             | 150                 | Q           | 250              | 163                  | Q           | 57-147                 | 10         |             | 30                |

## Matrix Spike Analysis

Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2231035

**Project Number:** 3883.0001Y000

**Report Date:** 06/27/22

| Parameter   | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---------------|----------|----------|--------------|------|-----------|---------------|------|-----------------|-----|------|------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04,06-09,11-12 QC Batch ID: WG1650798-6 WG1650798-7 QC Sample: L2231035-04 Client ID: SB016 (0-2) |               |          |          |              |      |           |               |      |                 |     |      |            |
| Vinyl chloride  | ND            | 150      | 180      | 121          |      | 200       | 128           |      | 67-130          | 7   |      | 30         |
| Chloroethane  | ND            | 150      | 210      | 142          |      | 230       | 149           |      | 50-151          | 6   |      | 30         |
| 1,1-Dichloroethene  | ND            | 150      | 220      | 147          | Q    | 180       | 118           |      | 65-135          | 20  |      | 30         |
| trans-1,2-Dichloroethene  | ND            | 150      | 130      | 85           |      | 130       | 85            |      | 70-130          | 2   |      | 30         |
| Trichloroethene   | ND            | 150      | 250      | 166          | Q    | 230       | 150           | Q    | 70-130          | 9   |      | 30         |
| 1,2-Dichlorobenzene   | ND            | 150      | 98       | 65           | Q    | 93        | 61            | Q    | 70-130          | 5   |      | 30         |
| 1,3-Dichlorobenzene   | ND            | 150      | 96       | 64           | Q    | 94        | 62            | Q    | 70-130          | 2   |      | 30         |
| 1,4-Dichlorobenzene   | ND            | 150      | 87       | 58           | Q    | 84        | 56            | Q    | 70-130          | 3   |      | 30         |
| Methyl tert butyl ether   | ND            | 150      | 140      | 96           |      | 160       | 107           |      | 66-130          | 12  |      | 30         |
| p/m-Xylene  | ND            | 299      | 240      | 81           |      | 240       | 80            |      | 70-130          | 0   |      | 30         |
| o-Xylene  | ND            | 299      | 260      | 85           |      | 250       | 81            |      | 70-130          | 3   |      | 30         |
| cis-1,2-Dichloroethene  | ND            | 150      | 130      | 86           |      | 120       | 81            |      | 70-130          | 4   |      | 30         |
| Dibromomethane  | ND            | 150      | 120      | 82           |      | 110       | 74            |      | 70-130          | 9   |      | 30         |
| Styrene   | ND            | 299      | 220      | 75           |      | 200       | 66            | Q    | 70-130          | 11  |      | 30         |
| Dichlorodifluoromethane   | ND            | 150      | 180      | 120          |      | 200       | 130           |      | 30-146          | 10  |      | 30         |
| Acetone   | 39            | 150      | 220      | 118          |      | 270       | 151           | Q    | 54-140          | 21  |      | 30         |
| Carbon disulfide  | ND            | 150      | 130      | 88           |      | 140       | 95            |      | 59-130          | 9   |      | 30         |
| 2-Butanone  | ND            | 150      | 150      | 103          |      | 190       | 122           |      | 70-130          | 18  |      | 30         |
| Vinyl acetate   | ND            | 150      | 37       | 24           | Q    | 40        | 26            | Q    | 70-130          | 8   |      | 30         |
| 4-Methyl-2-pentanone  | ND            | 150      | 150      | 102          |      | 180       | 119           |      | 70-130          | 17  |      | 30         |
| 1,2,3-Trichloropropane  | ND            | 150      | 150      | 100          |      | 190       | 124           |      | 68-130          | 23  |      | 30         |
| 2-Hexanone  | ND            | 150      | 170      | 114          |      | 190       | 124           |      | 70-130          | 10  |      | 30         |
| Bromochloromethane  | ND            | 150      | 130      | 85           |      | 120       | 78            |      | 70-130          | 7   |      | 30         |

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2231035

**Project Number:** 3883.0001Y000

**Report Date:** 06/27/22

| <i>Parameter</i>  | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|---|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04,06-09,11-12 QC Batch ID: WG1650798-6 WG1650798-7 QC Sample: L2231035-04 Client ID: SB016 (0-2) |                      |                 |                 |                     |             |                  |                      |             |                        |            |             |                   |
| 2,2-Dichloropropane   | ND                   | 150             | 160             | 104                 |             | 170              | 111                  |             | 70-130                 | 7          |             | 30                |
| 1,2-Dibromoethane   | ND                   | 150             | 130             | 87                  |             | 120              | 80                   |             | 70-130                 | 6          |             | 30                |
| 1,3-Dichloropropane   | ND                   | 150             | 140             | 95                  |             | 140              | 93                   |             | 69-130                 | 1          |             | 30                |
| 1,1,1,2-Tetrachloroethane   | ND                   | 150             | 140             | 91                  |             | 150              | 98                   |             | 70-130                 | 9          |             | 30                |
| Bromobenzene  | ND                   | 150             | 110             | 72                  |             | 110              | 74                   |             | 70-130                 | 4          |             | 30                |
| n-Butylbenzene  | ND                   | 150             | 110             | 72                  |             | 120              | 82                   |             | 70-130                 | 15         |             | 30                |
| sec-Butylbenzene  | ND                   | 150             | 140             | 91                  |             | 160              | 108                  |             | 70-130                 | 19         |             | 30                |
| tert-Butylbenzene   | ND                   | 150             | 140             | 95                  |             | 180              | 116                  |             | 70-130                 | 21         |             | 30                |
| o-Chlorotoluene   | ND                   | 150             | 130             | 88                  |             | 150              | 98                   |             | 70-130                 | 11         |             | 30                |
| p-Chlorotoluene   | ND                   | 150             | 110             | 76                  |             | 120              | 80                   |             | 70-130                 | 7          |             | 30                |
| 1,2-Dibromo-3-chloropropane   | ND                   | 150             | 55              | 37                  | Q           | 120              | 78                   |             | 68-130                 | 73         | Q           | 30                |
| Hexachlorobutadiene   | ND                   | 150             | 81              | 54                  | Q           | 94               | 62                   | Q           | 67-130                 | 15         |             | 30                |
| Isopropylbenzene  | ND                   | 150             | 150             | 100                 |             | 180              | 120                  |             | 70-130                 | 20         |             | 30                |
| p-Isopropyltoluene  | ND                   | 150             | 120             | 81                  |             | 140              | 94                   |             | 70-130                 | 17         |             | 30                |
| Naphthalene   | ND                   | 150             | 76              | 51                  | Q           | 57               | 37                   | Q           | 70-130                 | 29         |             | 30                |
| Acrylonitrile   | ND                   | 150             | 150             | 100                 |             | 170              | 110                  |             | 70-130                 | 11         |             | 30                |
| n-Propylbenzene   | ND                   | 150             | 130             | 90                  |             | 160              | 105                  |             | 70-130                 | 18         |             | 30                |
| 1,2,3-Trichlorobenzene  | ND                   | 150             | 59              | 39                  | Q           | 45               | 30                   | Q           | 70-130                 | 27         |             | 30                |
| 1,2,4-Trichlorobenzene  | ND                   | 150             | 54              | 36                  | Q           | 43               | 29                   | Q           | 70-130                 | 22         |             | 30                |
| 1,3,5-Trimethylbenzene  | ND                   | 150             | 140             | 91                  |             | 160              | 105                  |             | 70-130                 | 16         |             | 30                |
| 1,2,4-Trimethylbenzene  | ND                   | 150             | 120             | 83                  |             | 140              | 92                   |             | 70-130                 | 11         |             | 30                |
| 1,4-Dioxane   | ND                   | 7480            | 8400            | 112                 |             | 9200             | 121                  |             | 65-136                 | 9          |             | 30                |
| p-Diethylbenzene  | ND                   | 150             | 100             | 70                  |             | 120              | 78                   |             | 70-130                 | 13         |             | 30                |

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2231035

**Project Number:** 3883.0001Y000

**Report Date:** 06/27/22

| <b>Parameter</b>  | <b>Native Sample</b> | <b>MS Added</b> | <b>MS Found</b> | <b>MS %Recovery</b> | <b>Qual</b> | <b>MSD Found</b> | <b>MSD %Recovery</b> | <b>Qual</b> | <b>Recovery Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD Limits</b> |
|---|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04,06-09,11-12 QC Batch ID: WG1650798-6 WG1650798-7 QC Sample: L2231035-04 Client ID: SB016 (0-2) |                      |                 |                 |                     |             |                  |                      |             |                        |            |             |                   |
| p-Ethyltoluene  | ND                   | 150             | 130             | 84                  |             | 150              | 98                   |             | 70-130                 | 16         |             | 30                |
| 1,2,4,5-Tetramethylbenzene  | ND                   | 150             | 95              | 63                  | Q           | 97               | 64                   | Q           | 70-130                 | 2          |             | 30                |
| Ethyl ether   | ND                   | 150             | 160             | 107                 |             | 180              | 117                  |             | 67-130                 | 11         |             | 30                |
| trans-1,4-Dichloro-2-butene   | ND                   | 150             | 140             | 92                  |             | 130              | 88                   |             | 70-130                 | 3          |             | 30                |

| <b>Surrogate</b>      | <b>MS % Recovery</b> | <b>Qualifier</b> | <b>MSD % Recovery</b> | <b>Qualifier</b> | <b>Acceptance Criteria</b> |
|-----------------------|----------------------|------------------|-----------------------|------------------|----------------------------|
| 1,2-Dichloroethane-d4 | 109                  |                  | 112                   |                  | 70-130                     |
| 4-Bromofluorobenzene  | 105                  |                  | 117                   |                  | 70-130                     |
| Dibromofluoromethane  | 40                   | Q                | 60                    | Q                | 70-130                     |
| Toluene-d8            | 104                  |                  | 109                   |                  | 70-130                     |

# SEMIVOLATILES

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-01  
 Client ID: FB\_061022  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 09:00  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D  
 Analytical Date: 06/15/22 20:00  
 Analyst: SZ

Extraction Method: EPA 3510C  
 Extraction Date: 06/14/22 23:41

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |      |                 |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/l  | 5.0 | 0.50 | 1               |
| Bis(2-chloroethyl)ether                                 | ND     |           | ug/l  | 2.0 | 0.50 | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/l  | 2.0 | 0.45 | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/l  | 2.0 | 0.40 | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/l  | 2.0 | 0.43 | 1               |
| 3,3'-Dichlorobenzidine                                  | ND     |           | ug/l  | 5.0 | 1.6  | 1               |
| 2,4-Dinitrotoluene                                      | ND     |           | ug/l  | 5.0 | 1.2  | 1               |
| 2,6-Dinitrotoluene                                      | ND     |           | ug/l  | 5.0 | 0.93 | 1               |
| 4-Chlorophenyl phenyl ether                             | ND     |           | ug/l  | 2.0 | 0.49 | 1               |
| 4-Bromophenyl phenyl ether                              | ND     |           | ug/l  | 2.0 | 0.38 | 1               |
| Bis(2-chloroisopropyl)ether                             | ND     |           | ug/l  | 2.0 | 0.53 | 1               |
| Bis(2-chloroethoxy)methane                              | ND     |           | ug/l  | 5.0 | 0.50 | 1               |
| Hexachlorocyclopentadiene                               | ND     |           | ug/l  | 20  | 0.69 | 1               |
| Isophorone  | ND     |           | ug/l  | 5.0 | 1.2  | 1               |
| Nitrobenzene  | ND     |           | ug/l  | 2.0 | 0.77 | 1               |
| NDPA/DPA  | ND     |           | ug/l  | 2.0 | 0.42 | 1               |
| n-Nitrosodi-n-propylamine                               | ND     |           | ug/l  | 5.0 | 0.64 | 1               |
| Bis(2-ethylhexyl)phthalate                              | ND     |           | ug/l  | 3.0 | 1.5  | 1               |
| Butyl benzyl phthalate                                  | ND     |           | ug/l  | 5.0 | 1.2  | 1               |
| Di-n-butylphthalate                                     | 0.40   | J         | ug/l  | 5.0 | 0.39 | 1               |
| Di-n-octylphthalate                                     | ND     |           | ug/l  | 5.0 | 1.3  | 1               |
| Diethyl phthalate                                       | ND     |           | ug/l  | 5.0 | 0.38 | 1               |
| Dimethyl phthalate                                      | ND     |           | ug/l  | 5.0 | 1.8  | 1               |
| Biphenyl  | ND     |           | ug/l  | 2.0 | 0.46 | 1               |
| 4-Chloroaniline   | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| 2-Nitroaniline  | ND     |           | ug/l  | 5.0 | 0.50 | 1               |
| 3-Nitroaniline  | ND     |           | ug/l  | 5.0 | 0.81 | 1               |
| 4-Nitroaniline  | ND     |           | ug/l  | 5.0 | 0.80 | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-01  
 Client ID: FB\_061022  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 09:00  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |      |                 |
| Dibenzofuran  | ND     |           | ug/l  | 2.0 | 0.50 | 1               |
| 1,2,4,5-Tetrachlorobenzene                              | ND     |           | ug/l  | 10  | 0.44 | 1               |
| Acetophenone  | ND     |           | ug/l  | 5.0 | 0.53 | 1               |
| 2,4,6-Trichlorophenol                                   | ND     |           | ug/l  | 5.0 | 0.61 | 1               |
| p-Chloro-m-cresol                                       | ND     |           | ug/l  | 2.0 | 0.35 | 1               |
| 2-Chlorophenol  | ND     |           | ug/l  | 2.0 | 0.48 | 1               |
| 2,4-Dichlorophenol                                      | ND     |           | ug/l  | 5.0 | 0.41 | 1               |
| 2,4-Dimethylphenol                                      | ND     |           | ug/l  | 5.0 | 1.8  | 1               |
| 2-Nitrophenol   | ND     |           | ug/l  | 10  | 0.85 | 1               |
| 4-Nitrophenol   | ND     |           | ug/l  | 10  | 0.67 | 1               |
| 2,4-Dinitrophenol                                       | ND     |           | ug/l  | 20  | 6.6  | 1               |
| 4,6-Dinitro-o-cresol                                    | ND     |           | ug/l  | 10  | 1.8  | 1               |
| Phenol  | ND     |           | ug/l  | 5.0 | 0.57 | 1               |
| 2-Methylphenol  | ND     |           | ug/l  | 5.0 | 0.49 | 1               |
| 3-Methylphenol/4-Methylphenol                           | ND     |           | ug/l  | 5.0 | 0.48 | 1               |
| 2,4,5-Trichlorophenol                                   | ND     |           | ug/l  | 5.0 | 0.77 | 1               |
| Benzoic Acid  | 15.    | J         | ug/l  | 50  | 2.6  | 1               |
| Benzyl Alcohol  | ND     |           | ug/l  | 2.0 | 0.59 | 1               |
| Carbazole   | ND     |           | ug/l  | 2.0 | 0.49 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 549        | Q         | 21-120              |
| Phenol-d6            | 384        | Q         | 10-120              |
| Nitrobenzene-d5      | 991        | Q         | 23-120              |
| 2-Fluorobiphenyl     | 1020       | Q         | 15-120              |
| 2,4,6-Tribromophenol | 1450       | Q         | 10-120              |
| 4-Terphenyl-d14      | 1160       | Q         | 41-149              |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-01  
 Client ID: FB\_061022  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 09:00  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 06/15/22 14:11  
 Analyst: RP

Extraction Method: EPA 3510C  
 Extraction Date: 06/14/22 23:44

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| <b>Semivolatile Organics by GC/MS-SIM - Westborough Lab</b> |        |           |       |      |      |                 |
| Acenaphthene  | 0.03   | J         | ug/l  | 0.10 | 0.01 | 1               |
| 2-Chloronaphthalene   | 0.03   | J         | ug/l  | 0.20 | 0.02 | 1               |
| Fluoranthene  | 0.02   | J         | ug/l  | 0.10 | 0.02 | 1               |
| Hexachlorobutadiene   | ND     |           | ug/l  | 0.50 | 0.05 | 1               |
| Naphthalene   | ND     |           | ug/l  | 0.10 | 0.05 | 1               |
| Benzo(a)anthracene  | ND     |           | ug/l  | 0.10 | 0.02 | 1               |
| Benzo(a)pyrene  | ND     |           | ug/l  | 0.10 | 0.02 | 1               |
| Benzo(b)fluoranthene  | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| Benzo(k)fluoranthene  | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| Chrysene  | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| Acenaphthylene  | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| Anthracene  | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| Benzo(ghi)perylene  | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| Fluorene  | 0.02   | J         | ug/l  | 0.10 | 0.01 | 1               |
| Phenanthrene  | 0.04   | J         | ug/l  | 0.10 | 0.02 | 1               |
| Dibenzo(a,h)anthracene                                      | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| Indeno(1,2,3-cd)pyrene                                      | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| Pyrene  | ND     |           | ug/l  | 0.10 | 0.02 | 1               |
| 2-Methylnaphthalene   | 0.03   | J         | ug/l  | 0.10 | 0.02 | 1               |
| Pentachlorophenol   | ND     |           | ug/l  | 0.80 | 0.01 | 1               |
| Hexachlorobenzene   | ND     |           | ug/l  | 0.80 | 0.01 | 1               |
| Hexachloroethane  | ND     |           | ug/l  | 0.80 | 0.06 | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-01  
 Client ID: FB\_061022  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 09:00  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

## Semivolatile Organics by GC/MS-SIM - Westborough Lab

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 80         |           | 21-120              |
| Phenol-d6            | 66         |           | 10-120              |
| Nitrobenzene-d5      | 84         |           | 23-120              |
| 2-Fluorobiphenyl     | 88         |           | 15-120              |
| 2,4,6-Tribromophenol | 97         |           | 10-120              |
| 4-Terphenyl-d14      | 92         |           | 41-149              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-01  
 Client ID: FB\_061022  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 09:00  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 06/21/22 18:31  
 Analyst: DB

Extraction Method: EPA 3510C  
 Extraction Date: 06/16/22 19:00

| Parameter                                | Result | Qualifier | Units      | RL        | MDL                 | Dilution Factor |
|--|--------|-----------|------------|-----------|---------------------|-----------------|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab |        |           |            |           |                     |                 |
| 1,4-Dioxane                              | ND     |           | ng/l       | 150       | 33.9                | 1               |
| Surrogate                                |        |           | % Recovery | Qualifier | Acceptance Criteria |                 |
| 1,4-Dioxane-d8                           |        |           | 28         |           | 15-110              |                 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-02  
 Client ID: SB017 (0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 09:20  
 Date Received: 06/10/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 06/13/22 12:13  
 Analyst: JG  
 Percent Solids: 92%

Extraction Method: EPA 3546  
 Extraction Date: 06/12/22 01:29

| Parameter   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |     |                 |
| Acenaphthene  | ND     |           | ug/kg | 140 | 18. | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 180 | 20. | 1               |
| Hexachlorobenzene                                       | ND     |           | ug/kg | 110 | 20. | 1               |
| Bis(2-chloroethyl)ether                                 | ND     |           | ug/kg | 160 | 24. | 1               |
| 2-Chloronaphthalene                                     | ND     |           | ug/kg | 180 | 18. | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 32. | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 31. | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 31. | 1               |
| 3,3'-Dichlorobenzidine                                  | ND     |           | ug/kg | 180 | 47. | 1               |
| 2,4-Dinitrotoluene                                      | ND     |           | ug/kg | 180 | 36. | 1               |
| 2,6-Dinitrotoluene                                      | ND     |           | ug/kg | 180 | 30. | 1               |
| Fluoranthene  | 40     | J         | ug/kg | 110 | 20. | 1               |
| 4-Chlorophenyl phenyl ether                             | ND     |           | ug/kg | 180 | 19. | 1               |
| 4-Bromophenyl phenyl ether                              | ND     |           | ug/kg | 180 | 27. | 1               |
| Bis(2-chloroisopropyl)ether                             | ND     |           | ug/kg | 210 | 30. | 1               |
| Bis(2-chloroethoxy)methane                              | ND     |           | ug/kg | 190 | 18. | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 180 | 26. | 1               |
| Hexachlorocyclopentadiene                               | ND     |           | ug/kg | 510 | 160 | 1               |
| Hexachloroethane  | ND     |           | ug/kg | 140 | 29. | 1               |
| Isophorone  | ND     |           | ug/kg | 160 | 23. | 1               |
| Naphthalene   | 24     | J         | ug/kg | 180 | 22. | 1               |
| Nitrobenzene  | ND     |           | ug/kg | 160 | 26. | 1               |
| NDPA/DPA  | ND     |           | ug/kg | 140 | 20. | 1               |
| n-Nitrosodi-n-propylamine                               | ND     |           | ug/kg | 180 | 27. | 1               |
| Bis(2-ethylhexyl)phthalate                              | ND     |           | ug/kg | 180 | 62. | 1               |
| Butyl benzyl phthalate                                  | ND     |           | ug/kg | 180 | 45. | 1               |
| Di-n-butylphthalate                                     | ND     |           | ug/kg | 180 | 34. | 1               |
| Di-n-octylphthalate                                     | ND     |           | ug/kg | 180 | 60. | 1               |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

## SAMPLE RESULTS

Lab ID: L2231035-02

Date Collected: 06/10/22 09:20

Client ID: SB017 (0-2)

Date Received: 06/10/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 180 | 16. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 180 | 37. | 1               |
| Benzo(a)anthracene                               | 33     | J         | ug/kg | 110 | 20. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 140 | 43. | 1               |
| Benzo(b)fluoranthene                             | 45     | J         | ug/kg | 110 | 30. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 110 | 28. | 1               |
| Chrysene   | 59     | J         | ug/kg | 110 | 18. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 140 | 27. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 110 | 35. | 1               |
| Benzo(ghi)perylene                               | 23     | J         | ug/kg | 140 | 21. | 1               |
| Fluorene   | ND     |           | ug/kg | 180 | 17. | 1               |
| Phenanthrene                                     | 96     | J         | ug/kg | 110 | 22. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 110 | 20. | 1               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 140 | 25. | 1               |
| Pyrene   | 50     | J         | ug/kg | 110 | 18. | 1               |
| Biphenyl   | ND     |           | ug/kg | 400 | 23. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 180 | 32. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 180 | 34. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 180 | 34. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 180 | 74. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 180 | 17. | 1               |
| 2-Methylnaphthalene                              | 49     | J         | ug/kg | 210 | 21. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 180 | 18. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 180 | 22. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 110 | 34. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 180 | 26. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 180 | 21. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 160 | 29. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 180 | 59. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 380 | 67. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 250 | 73. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 850 | 83. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 460 | 85. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 140 | 39. | 1               |
| Phenol   | ND     |           | ug/kg | 180 | 27. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 180 | 28. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 260 | 28. | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-02  
 Client ID: SB017 (0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 09:20  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 180 | 34. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 580 | 180 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 180 | 54. | 1               |
| Carbazole  | ND     |           | ug/kg | 180 | 17. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 27  | 8.2 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 2          | Q         | 25-120              |
| Phenol-d6            | 22         |           | 10-120              |
| Nitrobenzene-d5      | 91         |           | 23-120              |
| 2-Fluorobiphenyl     | 68         |           | 30-120              |
| 2,4,6-Tribromophenol | 0          | Q         | 10-136              |
| 4-Terphenyl-d14      | 56         |           | 18-120              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-03  
 Client ID: SB017 (2-4)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 09:30  
 Date Received: 06/10/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 06/13/22 12:37  
 Analyst: JG  
 Percent Solids: 93%

Extraction Method: EPA 3546  
 Extraction Date: 06/12/22 02:04

| Parameter   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |     |                 |
| Acenaphthene  | ND     |           | ug/kg | 140 | 18. | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 180 | 20. | 1               |
| Hexachlorobenzene                                       | ND     |           | ug/kg | 110 | 20. | 1               |
| Bis(2-chloroethyl)ether                                 | ND     |           | ug/kg | 160 | 24. | 1               |
| 2-Chloronaphthalene                                     | ND     |           | ug/kg | 180 | 18. | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 32. | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 30. | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 31. | 1               |
| 3,3'-Dichlorobenzidine                                  | ND     |           | ug/kg | 180 | 47. | 1               |
| 2,4-Dinitrotoluene                                      | ND     |           | ug/kg | 180 | 35. | 1               |
| 2,6-Dinitrotoluene                                      | ND     |           | ug/kg | 180 | 30. | 1               |
| Fluoranthene  | 250    |           | ug/kg | 110 | 20. | 1               |
| 4-Chlorophenyl phenyl ether                             | ND     |           | ug/kg | 180 | 19. | 1               |
| 4-Bromophenyl phenyl ether                              | ND     |           | ug/kg | 180 | 27. | 1               |
| Bis(2-chloroisopropyl)ether                             | ND     |           | ug/kg | 210 | 30. | 1               |
| Bis(2-chloroethoxy)methane                              | ND     |           | ug/kg | 190 | 18. | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 180 | 26. | 1               |
| Hexachlorocyclopentadiene                               | ND     |           | ug/kg | 510 | 160 | 1               |
| Hexachloroethane  | ND     |           | ug/kg | 140 | 29. | 1               |
| Isophorone  | ND     |           | ug/kg | 160 | 23. | 1               |
| Naphthalene   | 140    | J         | ug/kg | 180 | 22. | 1               |
| Nitrobenzene  | ND     |           | ug/kg | 160 | 26. | 1               |
| NDPA/DPA  | ND     |           | ug/kg | 140 | 20. | 1               |
| n-Nitrosodi-n-propylamine                               | ND     |           | ug/kg | 180 | 27. | 1               |
| Bis(2-ethylhexyl)phthalate                              | ND     |           | ug/kg | 180 | 61. | 1               |
| Butyl benzyl phthalate                                  | ND     |           | ug/kg | 180 | 44. | 1               |
| Di-n-butylphthalate                                     | ND     |           | ug/kg | 180 | 34. | 1               |
| Di-n-octylphthalate                                     | ND     |           | ug/kg | 180 | 60. | 1               |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

## SAMPLE RESULTS

Lab ID: L2231035-03

Date Collected: 06/10/22 09:30

Client ID: SB017 (2-4)

Date Received: 06/10/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 180 | 16. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 180 | 37. | 1               |
| Benzo(a)anthracene                               | 280    |           | ug/kg | 110 | 20. | 1               |
| Benzo(a)pyrene                                   | 220    |           | ug/kg | 140 | 43. | 1               |
| Benzo(b)fluoranthene                             | 360    |           | ug/kg | 110 | 30. | 1               |
| Benzo(k)fluoranthene                             | 120    |           | ug/kg | 110 | 28. | 1               |
| Chrysene   | 340    |           | ug/kg | 110 | 18. | 1               |
| Acenaphthylene                                   | 52     | J         | ug/kg | 140 | 27. | 1               |
| Anthracene                                       | 38     | J         | ug/kg | 110 | 34. | 1               |
| Benzo(ghi)perylene                               | 140    |           | ug/kg | 140 | 21. | 1               |
| Fluorene   | 17     | J         | ug/kg | 180 | 17. | 1               |
| Phenanthrene                                     | 260    |           | ug/kg | 110 | 22. | 1               |
| Dibenzo(a,h)anthracene                           | 50     | J         | ug/kg | 110 | 20. | 1               |
| Indeno(1,2,3-cd)pyrene                           | 160    |           | ug/kg | 140 | 25. | 1               |
| Pyrene   | 290    |           | ug/kg | 110 | 18. | 1               |
| Biphenyl   | 24     | J         | ug/kg | 400 | 23. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 180 | 32. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 180 | 34. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 180 | 33. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 180 | 73. | 1               |
| Dibenzofuran                                     | 39     | J         | ug/kg | 180 | 17. | 1               |
| 2-Methylnaphthalene                              | 150    | J         | ug/kg | 210 | 21. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 180 | 18. | 1               |
| Acetophenone                                     | 47     | J         | ug/kg | 180 | 22. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 110 | 34. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 180 | 26. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 180 | 21. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 160 | 28. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 180 | 58. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 380 | 66. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 250 | 72. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 850 | 82. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 460 | 85. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 140 | 39. | 1               |
| Phenol   | ND     |           | ug/kg | 180 | 27. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 180 | 27. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 250 | 28. | 1               |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-03  
 Client ID: SB017 (2-4)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 09:30  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 180 | 34. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 570 | 180 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 180 | 54. | 1               |
| Carbazole  | 17     | J         | ug/kg | 180 | 17. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 26  | 8.1 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 60         |           | 25-120              |
| Phenol-d6            | 79         |           | 10-120              |
| Nitrobenzene-d5      | 97         |           | 23-120              |
| 2-Fluorobiphenyl     | 68         |           | 30-120              |
| 2,4,6-Tribromophenol | 24         |           | 10-136              |
| 4-Terphenyl-d14      | 56         |           | 18-120              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-04  
 Client ID: SB016 (0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 10:00  
 Date Received: 06/10/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 06/13/22 13:01  
 Analyst: JG  
 Percent Solids: 93%

Extraction Method: EPA 3546  
 Extraction Date: 06/12/22 02:04

| Parameter   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |     |                 |
| Acenaphthene  | ND     |           | ug/kg | 140 | 18. | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 170 | 20. | 1               |
| Hexachlorobenzene                                       | ND     |           | ug/kg | 100 | 20. | 1               |
| Bis(2-chloroethyl)ether                                 | ND     |           | ug/kg | 160 | 24. | 1               |
| 2-Chloronaphthalene                                     | ND     |           | ug/kg | 170 | 17. | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 170 | 31. | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 170 | 30. | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 170 | 30. | 1               |
| 3,3'-Dichlorobenzidine                                  | ND     |           | ug/kg | 170 | 46. | 1               |
| 2,4-Dinitrotoluene                                      | ND     |           | ug/kg | 170 | 35. | 1               |
| 2,6-Dinitrotoluene                                      | ND     |           | ug/kg | 170 | 30. | 1               |
| Fluoranthene  | 190    |           | ug/kg | 100 | 20. | 1               |
| 4-Chlorophenyl phenyl ether                             | ND     |           | ug/kg | 170 | 19. | 1               |
| 4-Bromophenyl phenyl ether                              | ND     |           | ug/kg | 170 | 27. | 1               |
| Bis(2-chloroisopropyl)ether                             | ND     |           | ug/kg | 210 | 30. | 1               |
| Bis(2-chloroethoxy)methane                              | ND     |           | ug/kg | 190 | 18. | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 170 | 26. | 1               |
| Hexachlorocyclopentadiene                               | ND     |           | ug/kg | 500 | 160 | 1               |
| Hexachloroethane  | ND     |           | ug/kg | 140 | 28. | 1               |
| Isophorone  | ND     |           | ug/kg | 160 | 23. | 1               |
| Naphthalene   | ND     |           | ug/kg | 170 | 21. | 1               |
| Nitrobenzene  | ND     |           | ug/kg | 160 | 26. | 1               |
| NDPA/DPA  | ND     |           | ug/kg | 140 | 20. | 1               |
| n-Nitrosodi-n-propylamine                               | ND     |           | ug/kg | 170 | 27. | 1               |
| Bis(2-ethylhexyl)phthalate                              | ND     |           | ug/kg | 170 | 60. | 1               |
| Butyl benzyl phthalate                                  | ND     |           | ug/kg | 170 | 44. | 1               |
| Di-n-butylphthalate                                     | ND     |           | ug/kg | 170 | 33. | 1               |
| Di-n-octylphthalate                                     | ND     |           | ug/kg | 170 | 59. | 1               |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

## SAMPLE RESULTS

Lab ID: L2231035-04

Date Collected: 06/10/22 10:00

Client ID: SB016 (0-2)

Date Received: 06/10/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 170 | 16. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 170 | 37. | 1               |
| Benzo(a)anthracene                               | 130    |           | ug/kg | 100 | 20. | 1               |
| Benzo(a)pyrene                                   | 110    | J         | ug/kg | 140 | 43. | 1               |
| Benzo(b)fluoranthene                             | 140    |           | ug/kg | 100 | 29. | 1               |
| Benzo(k)fluoranthene                             | 37     | J         | ug/kg | 100 | 28. | 1               |
| Chrysene   | 110    |           | ug/kg | 100 | 18. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 140 | 27. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 100 | 34. | 1               |
| Benzo(ghi)perylene                               | 73     | J         | ug/kg | 140 | 20. | 1               |
| Fluorene   | ND     |           | ug/kg | 170 | 17. | 1               |
| Phenanthrene                                     | 110    |           | ug/kg | 100 | 21. | 1               |
| Dibenzo(a,h)anthracene                           | 20     | J         | ug/kg | 100 | 20. | 1               |
| Indeno(1,2,3-cd)pyrene                           | 77     | J         | ug/kg | 140 | 24. | 1               |
| Pyrene   | 200    |           | ug/kg | 100 | 17. | 1               |
| Biphenyl   | ND     |           | ug/kg | 400 | 23. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 170 | 32. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 170 | 34. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 170 | 33. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 170 | 72. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 170 | 16. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 210 | 21. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 170 | 18. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 170 | 22. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 100 | 33. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 170 | 26. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 170 | 21. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 160 | 28. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 170 | 58. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 380 | 66. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 240 | 71. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 840 | 81. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 450 | 84. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 140 | 38. | 1               |
| Phenol   | ND     |           | ug/kg | 170 | 26. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 170 | 27. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 250 | 27. | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-04  
 Client ID: SB016 (0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 10:00  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                                   | ND     |           | ug/kg | 170 | 33. | 1               |
| Benzoic Acid  | ND     |           | ug/kg | 570 | 180 | 1               |
| Benzyl Alcohol  | ND     |           | ug/kg | 170 | 53. | 1               |
| Carbazole   | ND     |           | ug/kg | 170 | 17. | 1               |
| 1,4-Dioxane   | ND     |           | ug/kg | 26  | 8.0 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 7          | Q         | 25-120              |
| Phenol-d6            | 44         |           | 10-120              |
| Nitrobenzene-d5      | 84         |           | 23-120              |
| 2-Fluorobiphenyl     | 57         |           | 30-120              |
| 2,4,6-Tribromophenol | 1          | Q         | 10-136              |
| 4-Terphenyl-d14      | 48         |           | 18-120              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-05  
 Client ID: SB016 (2-4)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 10:10  
 Date Received: 06/10/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 06/13/22 14:13  
 Analyst: JG  
 Percent Solids: 90%

Extraction Method: EPA 3546  
 Extraction Date: 06/12/22 02:04

| Parameter   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |     |                 |
| Acenaphthene  | ND     |           | ug/kg | 140 | 19. | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 180 | 21. | 1               |
| Hexachlorobenzene                                       | ND     |           | ug/kg | 110 | 20. | 1               |
| Bis(2-chloroethyl)ether                                 | ND     |           | ug/kg | 160 | 25. | 1               |
| 2-Chloronaphthalene                                     | ND     |           | ug/kg | 180 | 18. | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 33. | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 31. | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 32. | 1               |
| 3,3'-Dichlorobenzidine                                  | ND     |           | ug/kg | 180 | 48. | 1               |
| 2,4-Dinitrotoluene                                      | ND     |           | ug/kg | 180 | 36. | 1               |
| 2,6-Dinitrotoluene                                      | ND     |           | ug/kg | 180 | 31. | 1               |
| Fluoranthene  | 270    |           | ug/kg | 110 | 21. | 1               |
| 4-Chlorophenyl phenyl ether                             | ND     |           | ug/kg | 180 | 19. | 1               |
| 4-Bromophenyl phenyl ether                              | ND     |           | ug/kg | 180 | 28. | 1               |
| Bis(2-chloroisopropyl)ether                             | ND     |           | ug/kg | 220 | 31. | 1               |
| Bis(2-chloroethoxy)methane                              | ND     |           | ug/kg | 200 | 18. | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 180 | 27. | 1               |
| Hexachlorocyclopentadiene                               | ND     |           | ug/kg | 520 | 160 | 1               |
| Hexachloroethane  | ND     |           | ug/kg | 140 | 29. | 1               |
| Isophorone  | ND     |           | ug/kg | 160 | 24. | 1               |
| Naphthalene   | 38     | J         | ug/kg | 180 | 22. | 1               |
| Nitrobenzene  | ND     |           | ug/kg | 160 | 27. | 1               |
| NDPA/DPA  | ND     |           | ug/kg | 140 | 21. | 1               |
| n-Nitrosodi-n-propylamine                               | ND     |           | ug/kg | 180 | 28. | 1               |
| Bis(2-ethylhexyl)phthalate                              | ND     |           | ug/kg | 180 | 63. | 1               |
| Butyl benzyl phthalate                                  | ND     |           | ug/kg | 180 | 46. | 1               |
| Di-n-butylphthalate                                     | ND     |           | ug/kg | 180 | 34. | 1               |
| Di-n-octylphthalate                                     | ND     |           | ug/kg | 180 | 62. | 1               |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

## SAMPLE RESULTS

Lab ID: L2231035-05  
 Client ID: SB016 (2-4)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 10:10  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 180 | 17. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 180 | 38. | 1               |
| Benzo(a)anthracene                               | 180    |           | ug/kg | 110 | 20. | 1               |
| Benzo(a)pyrene                                   | 150    |           | ug/kg | 140 | 44. | 1               |
| Benzo(b)fluoranthene                             | 190    |           | ug/kg | 110 | 31. | 1               |
| Benzo(k)fluoranthene                             | 53     | J         | ug/kg | 110 | 29. | 1               |
| Chrysene   | 170    |           | ug/kg | 110 | 19. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 140 | 28. | 1               |
| Anthracene                                       | 35     | J         | ug/kg | 110 | 35. | 1               |
| Benzo(ghi)perylene                               | 120    | J         | ug/kg | 140 | 21. | 1               |
| Fluorene   | ND     |           | ug/kg | 180 | 18. | 1               |
| Phenanthrene                                     | 190    |           | ug/kg | 110 | 22. | 1               |
| Dibenzo(a,h)anthracene                           | 30     | J         | ug/kg | 110 | 21. | 1               |
| Indeno(1,2,3-cd)pyrene                           | 110    | J         | ug/kg | 140 | 25. | 1               |
| Pyrene   | 260    |           | ug/kg | 110 | 18. | 1               |
| Biphenyl   | ND     |           | ug/kg | 410 | 24. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 180 | 33. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 180 | 35. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 180 | 34. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 180 | 75. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 180 | 17. | 1               |
| 2-Methylnaphthalene                              | 35     | J         | ug/kg | 220 | 22. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 180 | 19. | 1               |
| Acetophenone                                     | 23     | J         | ug/kg | 180 | 22. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 110 | 34. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 180 | 27. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 180 | 22. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 160 | 29. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 180 | 60. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 390 | 68. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 250 | 74. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 870 | 85. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 470 | 87. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 140 | 40. | 1               |
| Phenol   | ND     |           | ug/kg | 180 | 27. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 180 | 28. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 260 | 28. | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-05  
 Client ID: SB016 (2-4)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 10:10  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 180 | 35. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 590 | 180 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 180 | 56. | 1               |
| Carbazole  | ND     |           | ug/kg | 180 | 18. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 27  | 8.4 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 61         |           | 25-120              |
| Phenol-d6            | 78         |           | 10-120              |
| Nitrobenzene-d5      | 89         |           | 23-120              |
| 2-Fluorobiphenyl     | 57         |           | 30-120              |
| 2,4,6-Tribromophenol | 31         |           | 10-136              |
| 4-Terphenyl-d14      | 44         |           | 18-120              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-06  
 Client ID: SB012 (0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 11:30  
 Date Received: 06/10/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 06/13/22 14:38  
 Analyst: JG  
 Percent Solids: 95%

Extraction Method: EPA 3546  
 Extraction Date: 06/12/22 02:04

| Parameter   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |     |                 |
| Acenaphthene  | ND     |           | ug/kg | 140 | 18. | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 170 | 20. | 1               |
| Hexachlorobenzene                                       | ND     |           | ug/kg | 100 | 19. | 1               |
| Bis(2-chloroethyl)ether                                 | ND     |           | ug/kg | 160 | 23. | 1               |
| 2-Chloronaphthalene                                     | ND     |           | ug/kg | 170 | 17. | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 170 | 31. | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 170 | 30. | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 170 | 30. | 1               |
| 3,3'-Dichlorobenzidine                                  | ND     |           | ug/kg | 170 | 46. | 1               |
| 2,4-Dinitrotoluene                                      | ND     |           | ug/kg | 170 | 34. | 1               |
| 2,6-Dinitrotoluene                                      | ND     |           | ug/kg | 170 | 30. | 1               |
| Fluoranthene  | 330    |           | ug/kg | 100 | 20. | 1               |
| 4-Chlorophenyl phenyl ether                             | ND     |           | ug/kg | 170 | 18. | 1               |
| 4-Bromophenyl phenyl ether                              | ND     |           | ug/kg | 170 | 26. | 1               |
| Bis(2-chloroisopropyl)ether                             | ND     |           | ug/kg | 210 | 30. | 1               |
| Bis(2-chloroethoxy)methane                              | ND     |           | ug/kg | 190 | 17. | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 170 | 25. | 1               |
| Hexachlorocyclopentadiene                               | ND     |           | ug/kg | 490 | 160 | 1               |
| Hexachloroethane  | ND     |           | ug/kg | 140 | 28. | 1               |
| Isophorone  | ND     |           | ug/kg | 160 | 22. | 1               |
| Naphthalene   | ND     |           | ug/kg | 170 | 21. | 1               |
| Nitrobenzene  | ND     |           | ug/kg | 160 | 26. | 1               |
| NDPA/DPA  | ND     |           | ug/kg | 140 | 20. | 1               |
| n-Nitrosodi-n-propylamine                               | ND     |           | ug/kg | 170 | 27. | 1               |
| Bis(2-ethylhexyl)phthalate                              | ND     |           | ug/kg | 170 | 60. | 1               |
| Butyl benzyl phthalate                                  | ND     |           | ug/kg | 170 | 44. | 1               |
| Di-n-butylphthalate                                     | ND     |           | ug/kg | 170 | 33. | 1               |
| Di-n-octylphthalate                                     | ND     |           | ug/kg | 170 | 59. | 1               |



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

## SAMPLE RESULTS

Lab ID: L2231035-06

Date Collected: 06/10/22 11:30

Client ID: SB012 (0-2)

Date Received: 06/10/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 170 | 16. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 170 | 36. | 1               |
| Benzo(a)anthracene                               | 160    |           | ug/kg | 100 | 19. | 1               |
| Benzo(a)pyrene                                   | 160    |           | ug/kg | 140 | 42. | 1               |
| Benzo(b)fluoranthene                             | 260    |           | ug/kg | 100 | 29. | 1               |
| Benzo(k)fluoranthene                             | 80     | J         | ug/kg | 100 | 28. | 1               |
| Chrysene   | 210    |           | ug/kg | 100 | 18. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 140 | 27. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 100 | 34. | 1               |
| Benzo(ghi)perylene                               | 140    |           | ug/kg | 140 | 20. | 1               |
| Fluorene   | ND     |           | ug/kg | 170 | 17. | 1               |
| Phenanthrene                                     | 110    |           | ug/kg | 100 | 21. | 1               |
| Dibenzo(a,h)anthracene                           | 31     | J         | ug/kg | 100 | 20. | 1               |
| Indeno(1,2,3-cd)pyrene                           | 130    | J         | ug/kg | 140 | 24. | 1               |
| Pyrene   | 280    |           | ug/kg | 100 | 17. | 1               |
| Biphenyl   | ND     |           | ug/kg | 390 | 22. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 170 | 31. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 170 | 33. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 170 | 33. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 170 | 72. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 170 | 16. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 210 | 21. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 170 | 18. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 170 | 21. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 100 | 33. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 170 | 26. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 170 | 20. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 160 | 28. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 170 | 57. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 370 | 65. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 240 | 70. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 830 | 80. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 450 | 83. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 140 | 38. | 1               |
| Phenol   | ND     |           | ug/kg | 170 | 26. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 170 | 27. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 250 | 27. | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-06  
 Client ID: SB012 (0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 11:30  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 170 | 33. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 560 | 170 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 170 | 53. | 1               |
| Carbazole  | 26     | J         | ug/kg | 170 | 17. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 26  | 8.0 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 65         |           | 25-120              |
| Phenol-d6            | 72         |           | 10-120              |
| Nitrobenzene-d5      | 73         |           | 23-120              |
| 2-Fluorobiphenyl     | 48         |           | 30-120              |
| 2,4,6-Tribromophenol | 41         |           | 10-136              |
| 4-Terphenyl-d14      | 34         |           | 18-120              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-07  
 Client ID: DUP\_061022  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 12:00  
 Date Received: 06/10/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 06/13/22 15:02  
 Analyst: JG  
 Percent Solids: 89%

Extraction Method: EPA 3546  
 Extraction Date: 06/12/22 02:04

| Parameter   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |     |                 |
| Acenaphthene  | 32     | J         | ug/kg | 150 | 19. | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 180 | 21. | 1               |
| Hexachlorobenzene                                       | ND     |           | ug/kg | 110 | 21. | 1               |
| Bis(2-chloroethyl)ether                                 | ND     |           | ug/kg | 160 | 25. | 1               |
| 2-Chloronaphthalene                                     | ND     |           | ug/kg | 180 | 18. | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 33. | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 32. | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 32. | 1               |
| 3,3'-Dichlorobenzidine                                  | ND     |           | ug/kg | 180 | 49. | 1               |
| 2,4-Dinitrotoluene                                      | ND     |           | ug/kg | 180 | 37. | 1               |
| 2,6-Dinitrotoluene                                      | ND     |           | ug/kg | 180 | 32. | 1               |
| Fluoranthene  | 750    |           | ug/kg | 110 | 21. | 1               |
| 4-Chlorophenyl phenyl ether                             | ND     |           | ug/kg | 180 | 20. | 1               |
| 4-Bromophenyl phenyl ether                              | ND     |           | ug/kg | 180 | 28. | 1               |
| Bis(2-chloroisopropyl)ether                             | ND     |           | ug/kg | 220 | 31. | 1               |
| Bis(2-chloroethoxy)methane                              | ND     |           | ug/kg | 200 | 18. | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 180 | 27. | 1               |
| Hexachlorocyclopentadiene                               | ND     |           | ug/kg | 530 | 170 | 1               |
| Hexachloroethane  | ND     |           | ug/kg | 150 | 30. | 1               |
| Isophorone  | ND     |           | ug/kg | 160 | 24. | 1               |
| Naphthalene   | 29     | J         | ug/kg | 180 | 22. | 1               |
| Nitrobenzene  | ND     |           | ug/kg | 160 | 27. | 1               |
| NDPA/DPA  | ND     |           | ug/kg | 150 | 21. | 1               |
| n-Nitrosodi-n-propylamine                               | ND     |           | ug/kg | 180 | 28. | 1               |
| Bis(2-ethylhexyl)phthalate                              | ND     |           | ug/kg | 180 | 64. | 1               |
| Butyl benzyl phthalate                                  | ND     |           | ug/kg | 180 | 46. | 1               |
| Di-n-butylphthalate                                     | ND     |           | ug/kg | 180 | 35. | 1               |
| Di-n-octylphthalate                                     | ND     |           | ug/kg | 180 | 63. | 1               |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

## SAMPLE RESULTS

Lab ID: L2231035-07  
 Client ID: DUP\_061022  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 12:00  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 180 | 17. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 180 | 39. | 1               |
| Benzo(a)anthracene                               | 460    |           | ug/kg | 110 | 21. | 1               |
| Benzo(a)pyrene                                   | 370    |           | ug/kg | 150 | 45. | 1               |
| Benzo(b)fluoranthene                             | 380    |           | ug/kg | 110 | 31. | 1               |
| Benzo(k)fluoranthene                             | 130    |           | ug/kg | 110 | 29. | 1               |
| Chrysene   | 410    |           | ug/kg | 110 | 19. | 1               |
| Acenaphthylene                                   | 35     | J         | ug/kg | 150 | 28. | 1               |
| Anthracene                                       | 120    |           | ug/kg | 110 | 36. | 1               |
| Benzo(ghi)perylene                               | 220    |           | ug/kg | 150 | 22. | 1               |
| Fluorene   | 40     | J         | ug/kg | 180 | 18. | 1               |
| Phenanthrene                                     | 420    |           | ug/kg | 110 | 22. | 1               |
| Dibenzo(a,h)anthracene                           | 52     | J         | ug/kg | 110 | 21. | 1               |
| Indeno(1,2,3-cd)pyrene                           | 230    |           | ug/kg | 150 | 26. | 1               |
| Pyrene   | 850    |           | ug/kg | 110 | 18. | 1               |
| Biphenyl   | ND     |           | ug/kg | 420 | 24. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 180 | 34. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 180 | 36. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 180 | 35. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 180 | 76. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 180 | 17. | 1               |
| 2-Methylnaphthalene                              | 54     | J         | ug/kg | 220 | 22. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 180 | 19. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 180 | 23. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 110 | 35. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 180 | 27. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 180 | 22. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 160 | 30. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 180 | 61. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 400 | 69. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 260 | 75. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 880 | 86. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 480 | 88. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 150 | 40. | 1               |
| Phenol   | ND     |           | ug/kg | 180 | 28. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 180 | 28. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 260 | 29. | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-07  
 Client ID: DUP\_061022  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 12:00  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 180 | 35. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 600 | 190 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 180 | 56. | 1               |
| Carbazole  | ND     |           | ug/kg | 180 | 18. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 28  | 8.5 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 74         |           | 25-120              |
| Phenol-d6            | 83         |           | 10-120              |
| Nitrobenzene-d5      | 90         |           | 23-120              |
| 2-Fluorobiphenyl     | 64         |           | 30-120              |
| 2,4,6-Tribromophenol | 51         |           | 10-136              |
| 4-Terphenyl-d14      | 52         |           | 18-120              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-08  
 Client ID: SB012 (12-14)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 12:30  
 Date Received: 06/10/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 06/13/22 17:51  
 Analyst: JG  
 Percent Solids: 93%

Extraction Method: EPA 3546  
 Extraction Date: 06/12/22 02:04

| Parameter   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |     |                 |
| Acenaphthene  | 180    |           | ug/kg | 140 | 18. | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 180 | 20. | 1               |
| Hexachlorobenzene                                       | ND     |           | ug/kg | 110 | 20. | 1               |
| Bis(2-chloroethyl)ether                                 | ND     |           | ug/kg | 160 | 24. | 1               |
| 2-Chloronaphthalene                                     | ND     |           | ug/kg | 180 | 18. | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 32. | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 31. | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 31. | 1               |
| 3,3'-Dichlorobenzidine                                  | ND     |           | ug/kg | 180 | 48. | 1               |
| 2,4-Dinitrotoluene                                      | ND     |           | ug/kg | 180 | 36. | 1               |
| 2,6-Dinitrotoluene                                      | ND     |           | ug/kg | 180 | 31. | 1               |
| Fluoranthene  | 670    |           | ug/kg | 110 | 20. | 1               |
| 4-Chlorophenyl phenyl ether                             | ND     |           | ug/kg | 180 | 19. | 1               |
| 4-Bromophenyl phenyl ether                              | ND     |           | ug/kg | 180 | 27. | 1               |
| Bis(2-chloroisopropyl)ether                             | ND     |           | ug/kg | 220 | 31. | 1               |
| Bis(2-chloroethoxy)methane                              | ND     |           | ug/kg | 190 | 18. | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 180 | 26. | 1               |
| Hexachlorocyclopentadiene                               | ND     |           | ug/kg | 510 | 160 | 1               |
| Hexachloroethane  | ND     |           | ug/kg | 140 | 29. | 1               |
| Isophorone  | ND     |           | ug/kg | 160 | 23. | 1               |
| Naphthalene   | 58     | J         | ug/kg | 180 | 22. | 1               |
| Nitrobenzene  | ND     |           | ug/kg | 160 | 26. | 1               |
| NDPA/DPA  | ND     |           | ug/kg | 140 | 20. | 1               |
| n-Nitrosodi-n-propylamine                               | ND     |           | ug/kg | 180 | 28. | 1               |
| Bis(2-ethylhexyl)phthalate                              | ND     |           | ug/kg | 180 | 62. | 1               |
| Butyl benzyl phthalate                                  | ND     |           | ug/kg | 180 | 45. | 1               |
| Di-n-butylphthalate                                     | ND     |           | ug/kg | 180 | 34. | 1               |
| Di-n-octylphthalate                                     | ND     |           | ug/kg | 180 | 61. | 1               |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

## SAMPLE RESULTS

Lab ID: L2231035-08  
 Client ID: SB012 (12-14)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 12:30  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 180 | 16. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 180 | 38. | 1               |
| Benzo(a)anthracene                               | 490    |           | ug/kg | 110 | 20. | 1               |
| Benzo(a)pyrene                                   | 330    |           | ug/kg | 140 | 44. | 1               |
| Benzo(b)fluoranthene                             | 350    |           | ug/kg | 110 | 30. | 1               |
| Benzo(k)fluoranthene                             | 98     | J         | ug/kg | 110 | 29. | 1               |
| Chrysene   | 460    |           | ug/kg | 110 | 19. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 140 | 28. | 1               |
| Anthracene                                       | 340    |           | ug/kg | 110 | 35. | 1               |
| Benzo(ghi)perylene                               | 180    |           | ug/kg | 140 | 21. | 1               |
| Fluorene   | 200    |           | ug/kg | 180 | 17. | 1               |
| Phenanthrene                                     | 1400   |           | ug/kg | 110 | 22. | 1               |
| Dibenzo(a,h)anthracene                           | 46     | J         | ug/kg | 110 | 21. | 1               |
| Indeno(1,2,3-cd)pyrene                           | 180    |           | ug/kg | 140 | 25. | 1               |
| Pyrene   | 960    |           | ug/kg | 110 | 18. | 1               |
| Biphenyl   | ND     |           | ug/kg | 410 | 23. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 180 | 33. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 180 | 34. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 180 | 34. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 180 | 74. | 1               |
| Dibenzofuran                                     | 32     | J         | ug/kg | 180 | 17. | 1               |
| 2-Methylnaphthalene                              | 120    | J         | ug/kg | 220 | 22. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 180 | 19. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 180 | 22. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 110 | 34. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 180 | 27. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 180 | 21. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 160 | 29. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 180 | 59. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 390 | 67. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 250 | 73. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 860 | 84. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 460 | 86. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 140 | 39. | 1               |
| Phenol   | ND     |           | ug/kg | 180 | 27. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 180 | 28. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 260 | 28. | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-08  
 Client ID: SB012 (12-14)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 12:30  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 180 | 34. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 580 | 180 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 180 | 55. | 1               |
| Carbazole  | 25     | J         | ug/kg | 180 | 17. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 27  | 8.2 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 73         |           | 25-120              |
| Phenol-d6            | 81         |           | 10-120              |
| Nitrobenzene-d5      | 87         |           | 23-120              |
| 2-Fluorobiphenyl     | 59         |           | 30-120              |
| 2,4,6-Tribromophenol | 49         |           | 10-136              |
| 4-Terphenyl-d14      | 40         |           | 18-120              |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-09  
 Client ID: SB012 (15-17)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 12:40  
 Date Received: 06/10/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 06/13/22 18:15  
 Analyst: JG  
 Percent Solids: 97%

Extraction Method: EPA 3546  
 Extraction Date: 06/12/22 02:04

| Parameter   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |     |                 |
| Acenaphthene  | ND     |           | ug/kg | 140 | 18. | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 170 | 19. | 1               |
| Hexachlorobenzene                                       | ND     |           | ug/kg | 100 | 19. | 1               |
| Bis(2-chloroethyl)ether                                 | ND     |           | ug/kg | 150 | 23. | 1               |
| 2-Chloronaphthalene                                     | ND     |           | ug/kg | 170 | 17. | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 170 | 30. | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 170 | 29. | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 170 | 30. | 1               |
| 3,3'-Dichlorobenzidine                                  | ND     |           | ug/kg | 170 | 45. | 1               |
| 2,4-Dinitrotoluene                                      | ND     |           | ug/kg | 170 | 34. | 1               |
| 2,6-Dinitrotoluene                                      | ND     |           | ug/kg | 170 | 29. | 1               |
| Fluoranthene  | ND     |           | ug/kg | 100 | 20. | 1               |
| 4-Chlorophenyl phenyl ether                             | ND     |           | ug/kg | 170 | 18. | 1               |
| 4-Bromophenyl phenyl ether                              | ND     |           | ug/kg | 170 | 26. | 1               |
| Bis(2-chloroisopropyl)ether                             | ND     |           | ug/kg | 200 | 29. | 1               |
| Bis(2-chloroethoxy)methane                              | ND     |           | ug/kg | 180 | 17. | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 170 | 25. | 1               |
| Hexachlorocyclopentadiene                               | ND     |           | ug/kg | 490 | 150 | 1               |
| Hexachloroethane  | ND     |           | ug/kg | 140 | 28. | 1               |
| Isophorone  | ND     |           | ug/kg | 150 | 22. | 1               |
| Naphthalene   | ND     |           | ug/kg | 170 | 21. | 1               |
| Nitrobenzene  | ND     |           | ug/kg | 150 | 25. | 1               |
| NDPA/DPA  | ND     |           | ug/kg | 140 | 19. | 1               |
| n-Nitrosodi-n-propylamine                               | ND     |           | ug/kg | 170 | 26. | 1               |
| Bis(2-ethylhexyl)phthalate                              | ND     |           | ug/kg | 170 | 59. | 1               |
| Butyl benzyl phthalate                                  | ND     |           | ug/kg | 170 | 43. | 1               |
| Di-n-butylphthalate                                     | ND     |           | ug/kg | 170 | 32. | 1               |
| Di-n-octylphthalate                                     | ND     |           | ug/kg | 170 | 58. | 1               |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2231035**Project Number:** 3883.0001Y000**Report Date:** 06/27/22**SAMPLE RESULTS**

Lab ID: L2231035-09  
 Client ID: SB012 (15-17)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 12:40  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |     |                 |
| Diethyl phthalate                                       | ND     |           | ug/kg | 170 | 16. | 1               |
| Dimethyl phthalate                                      | ND     |           | ug/kg | 170 | 36. | 1               |
| Benzo(a)anthracene                                      | ND     |           | ug/kg | 100 | 19. | 1               |
| Benzo(a)pyrene  | ND     |           | ug/kg | 140 | 42. | 1               |
| Benzo(b)fluoranthene                                    | ND     |           | ug/kg | 100 | 29. | 1               |
| Benzo(k)fluoranthene                                    | ND     |           | ug/kg | 100 | 27. | 1               |
| Chrysene  | ND     |           | ug/kg | 100 | 18. | 1               |
| Acenaphthylene  | ND     |           | ug/kg | 140 | 26. | 1               |
| Anthracene  | ND     |           | ug/kg | 100 | 33. | 1               |
| Benzo(ghi)perylene                                      | ND     |           | ug/kg | 140 | 20. | 1               |
| Fluorene  | ND     |           | ug/kg | 170 | 16. | 1               |
| Phenanthrene  | ND     |           | ug/kg | 100 | 21. | 1               |
| Dibenzo(a,h)anthracene                                  | ND     |           | ug/kg | 100 | 20. | 1               |
| Indeno(1,2,3-cd)pyrene                                  | ND     |           | ug/kg | 140 | 24. | 1               |
| Pyrene  | ND     |           | ug/kg | 100 | 17. | 1               |
| Biphenyl  | ND     |           | ug/kg | 390 | 22. | 1               |
| 4-Chloroaniline   | ND     |           | ug/kg | 170 | 31. | 1               |
| 2-Nitroaniline  | ND     |           | ug/kg | 170 | 33. | 1               |
| 3-Nitroaniline  | ND     |           | ug/kg | 170 | 32. | 1               |
| 4-Nitroaniline  | ND     |           | ug/kg | 170 | 70. | 1               |
| Dibenzofuran  | ND     |           | ug/kg | 170 | 16. | 1               |
| 2-Methylnaphthalene                                     | ND     |           | ug/kg | 200 | 20. | 1               |
| 1,2,4,5-Tetrachlorobenzene                              | ND     |           | ug/kg | 170 | 18. | 1               |
| Acetophenone  | ND     |           | ug/kg | 170 | 21. | 1               |
| 2,4,6-Trichlorophenol                                   | ND     |           | ug/kg | 100 | 32. | 1               |
| p-Chloro-m-cresol                                       | ND     |           | ug/kg | 170 | 25. | 1               |
| 2-Chlorophenol  | ND     |           | ug/kg | 170 | 20. | 1               |
| 2,4-Dichlorophenol                                      | ND     |           | ug/kg | 150 | 27. | 1               |
| 2,4-Dimethylphenol                                      | ND     |           | ug/kg | 170 | 56. | 1               |
| 2-Nitrophenol   | ND     |           | ug/kg | 370 | 64. | 1               |
| 4-Nitrophenol   | ND     |           | ug/kg | 240 | 69. | 1               |
| 2,4-Dinitrophenol                                       | ND     |           | ug/kg | 820 | 79. | 1               |
| 4,6-Dinitro-o-cresol                                    | ND     |           | ug/kg | 440 | 82. | 1               |
| Pentachlorophenol                                       | ND     |           | ug/kg | 140 | 37. | 1               |
| Phenol  | ND     |           | ug/kg | 170 | 26. | 1               |
| 2-Methylphenol  | ND     |           | ug/kg | 170 | 26. | 1               |
| 3-Methylphenol/4-Methylphenol                           | ND     |           | ug/kg | 240 | 27. | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-09  
 Client ID: SB012 (15-17)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 12:40  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 170 | 33. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 550 | 170 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 170 | 52. | 1               |
| Carbazole  | ND     |           | ug/kg | 170 | 16. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 26  | 7.8 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 87         |           | 25-120              |
| Phenol-d6            | 99         |           | 10-120              |
| Nitrobenzene-d5      | 90         |           | 23-120              |
| 2-Fluorobiphenyl     | 68         |           | 30-120              |
| 2,4,6-Tribromophenol | 59         |           | 10-136              |
| 4-Terphenyl-d14      | 60         |           | 18-120              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-11  
 Client ID: SB013 (0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 14:10  
 Date Received: 06/10/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 06/14/22 09:57  
 Analyst: IM  
 Percent Solids: 90%

Extraction Method: EPA 3546  
 Extraction Date: 06/12/22 02:04

| Parameter   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |     |                 |
| Acenaphthene  | 55     | J         | ug/kg | 140 | 18. | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 180 | 20. | 1               |
| Hexachlorobenzene                                       | ND     |           | ug/kg | 110 | 20. | 1               |
| Bis(2-chloroethyl)ether                                 | ND     |           | ug/kg | 160 | 24. | 1               |
| 2-Chloronaphthalene                                     | ND     |           | ug/kg | 180 | 18. | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 32. | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 31. | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 31. | 1               |
| 3,3'-Dichlorobenzidine                                  | ND     |           | ug/kg | 180 | 48. | 1               |
| 2,4-Dinitrotoluene                                      | ND     |           | ug/kg | 180 | 36. | 1               |
| 2,6-Dinitrotoluene                                      | ND     |           | ug/kg | 180 | 31. | 1               |
| Fluoranthene  | 1000   |           | ug/kg | 110 | 20. | 1               |
| 4-Chlorophenyl phenyl ether                             | ND     |           | ug/kg | 180 | 19. | 1               |
| 4-Bromophenyl phenyl ether                              | ND     |           | ug/kg | 180 | 27. | 1               |
| Bis(2-chloroisopropyl)ether                             | ND     |           | ug/kg | 210 | 30. | 1               |
| Bis(2-chloroethoxy)methane                              | ND     |           | ug/kg | 190 | 18. | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 180 | 26. | 1               |
| Hexachlorocyclopentadiene                               | ND     |           | ug/kg | 510 | 160 | 1               |
| Hexachloroethane  | ND     |           | ug/kg | 140 | 29. | 1               |
| Isophorone  | ND     |           | ug/kg | 160 | 23. | 1               |
| Naphthalene   | 67     | J         | ug/kg | 180 | 22. | 1               |
| Nitrobenzene  | ND     |           | ug/kg | 160 | 26. | 1               |
| NDPA/DPA  | ND     |           | ug/kg | 140 | 20. | 1               |
| n-Nitrosodi-n-propylamine                               | ND     |           | ug/kg | 180 | 28. | 1               |
| Bis(2-ethylhexyl)phthalate                              | ND     |           | ug/kg | 180 | 62. | 1               |
| Butyl benzyl phthalate                                  | ND     |           | ug/kg | 180 | 45. | 1               |
| Di-n-butylphthalate                                     | ND     |           | ug/kg | 180 | 34. | 1               |
| Di-n-octylphthalate                                     | ND     |           | ug/kg | 180 | 61. | 1               |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

## SAMPLE RESULTS

Lab ID: L2231035-11

Date Collected: 06/10/22 14:10

Client ID: SB013 (0-2)

Date Received: 06/10/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 180 | 16. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 180 | 38. | 1               |
| Benzo(a)anthracene                               | 580    |           | ug/kg | 110 | 20. | 1               |
| Benzo(a)pyrene                                   | 640    |           | ug/kg | 140 | 44. | 1               |
| Benzo(b)fluoranthene                             | 670    |           | ug/kg | 110 | 30. | 1               |
| Benzo(k)fluoranthene                             | 280    |           | ug/kg | 110 | 29. | 1               |
| Chrysene   | 600    |           | ug/kg | 110 | 19. | 1               |
| Acenaphthylene                                   | 37     | J         | ug/kg | 140 | 28. | 1               |
| Anthracene                                       | 160    |           | ug/kg | 110 | 35. | 1               |
| Benzo(ghi)perylene                               | 360    |           | ug/kg | 140 | 21. | 1               |
| Fluorene   | 46     | J         | ug/kg | 180 | 17. | 1               |
| Phenanthrene                                     | 680    |           | ug/kg | 110 | 22. | 1               |
| Dibenzo(a,h)anthracene                           | 82     | J         | ug/kg | 110 | 21. | 1               |
| Indeno(1,2,3-cd)pyrene                           | 390    |           | ug/kg | 140 | 25. | 1               |
| Pyrene   | 940    |           | ug/kg | 110 | 18. | 1               |
| Biphenyl   | ND     |           | ug/kg | 410 | 23. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 180 | 32. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 180 | 34. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 180 | 34. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 180 | 74. | 1               |
| Dibenzofuran                                     | 35     | J         | ug/kg | 180 | 17. | 1               |
| 2-Methylnaphthalene                              | 37     | J         | ug/kg | 210 | 22. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 180 | 19. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 180 | 22. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 110 | 34. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 180 | 27. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 180 | 21. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 160 | 29. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 180 | 59. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 390 | 67. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 250 | 73. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 860 | 83. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 460 | 86. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 140 | 39. | 1               |
| Phenol   | ND     |           | ug/kg | 180 | 27. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 180 | 28. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 260 | 28. | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-11  
 Client ID: SB013 (0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 14:10  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 180 | 34. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 580 | 180 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 180 | 55. | 1               |
| Carbazole  | 61     | J         | ug/kg | 180 | 17. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 27  | 8.2 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 60         |           | 25-120              |
| Phenol-d6            | 60         |           | 10-120              |
| Nitrobenzene-d5      | 63         |           | 23-120              |
| 2-Fluorobiphenyl     | 59         |           | 30-120              |
| 2,4,6-Tribromophenol | 56         |           | 10-136              |
| 4-Terphenyl-d14      | 46         |           | 18-120              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-12  
 Client ID: SB013 (6-8)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 14:40  
 Date Received: 06/10/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 06/13/22 18:39  
 Analyst: JG  
 Percent Solids: 93%

Extraction Method: EPA 3546  
 Extraction Date: 06/12/22 02:04

| Parameter   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |     |                 |
| Acenaphthene  | 57     | J         | ug/kg | 140 | 18. | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 180 | 20. | 1               |
| Hexachlorobenzene                                       | ND     |           | ug/kg | 110 | 20. | 1               |
| Bis(2-chloroethyl)ether                                 | ND     |           | ug/kg | 160 | 24. | 1               |
| 2-Chloronaphthalene                                     | ND     |           | ug/kg | 180 | 18. | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 32. | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 31. | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 31. | 1               |
| 3,3'-Dichlorobenzidine                                  | ND     |           | ug/kg | 180 | 48. | 1               |
| 2,4-Dinitrotoluene                                      | ND     |           | ug/kg | 180 | 36. | 1               |
| 2,6-Dinitrotoluene                                      | ND     |           | ug/kg | 180 | 31. | 1               |
| Fluoranthene  | 880    |           | ug/kg | 110 | 21. | 1               |
| 4-Chlorophenyl phenyl ether                             | ND     |           | ug/kg | 180 | 19. | 1               |
| 4-Bromophenyl phenyl ether                              | ND     |           | ug/kg | 180 | 27. | 1               |
| Bis(2-chloroisopropyl)ether                             | ND     |           | ug/kg | 220 | 31. | 1               |
| Bis(2-chloroethoxy)methane                              | ND     |           | ug/kg | 190 | 18. | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 180 | 26. | 1               |
| Hexachlorocyclopentadiene                               | ND     |           | ug/kg | 510 | 160 | 1               |
| Hexachloroethane  | ND     |           | ug/kg | 140 | 29. | 1               |
| Isophorone  | ND     |           | ug/kg | 160 | 23. | 1               |
| Naphthalene   | 52     | J         | ug/kg | 180 | 22. | 1               |
| Nitrobenzene  | ND     |           | ug/kg | 160 | 26. | 1               |
| NDPA/DPA  | ND     |           | ug/kg | 140 | 20. | 1               |
| n-Nitrosodi-n-propylamine                               | ND     |           | ug/kg | 180 | 28. | 1               |
| Bis(2-ethylhexyl)phthalate                              | ND     |           | ug/kg | 180 | 62. | 1               |
| Butyl benzyl phthalate                                  | ND     |           | ug/kg | 180 | 45. | 1               |
| Di-n-butylphthalate                                     | ND     |           | ug/kg | 180 | 34. | 1               |
| Di-n-octylphthalate                                     | ND     |           | ug/kg | 180 | 61. | 1               |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

## SAMPLE RESULTS

Lab ID: L2231035-12  
 Client ID: SB013 (6-8)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 14:40  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 180 | 17. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 180 | 38. | 1               |
| Benzo(a)anthracene                               | 440    |           | ug/kg | 110 | 20. | 1               |
| Benzo(a)pyrene                                   | 470    |           | ug/kg | 140 | 44. | 1               |
| Benzo(b)fluoranthene                             | 540    |           | ug/kg | 110 | 30. | 1               |
| Benzo(k)fluoranthene                             | 170    |           | ug/kg | 110 | 29. | 1               |
| Chrysene   | 440    |           | ug/kg | 110 | 19. | 1               |
| Acenaphthylene                                   | 60     | J         | ug/kg | 140 | 28. | 1               |
| Anthracene                                       | 120    |           | ug/kg | 110 | 35. | 1               |
| Benzo(ghi)perylene                               | 330    |           | ug/kg | 140 | 21. | 1               |
| Fluorene   | 59     | J         | ug/kg | 180 | 17. | 1               |
| Phenanthrene                                     | 660    |           | ug/kg | 110 | 22. | 1               |
| Dibenzo(a,h)anthracene                           | 67     | J         | ug/kg | 110 | 21. | 1               |
| Indeno(1,2,3-cd)pyrene                           | 350    |           | ug/kg | 140 | 25. | 1               |
| Pyrene   | 800    |           | ug/kg | 110 | 18. | 1               |
| Biphenyl   | ND     |           | ug/kg | 410 | 23. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 180 | 33. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 180 | 35. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 180 | 34. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 180 | 74. | 1               |
| Dibenzofuran                                     | 42     | J         | ug/kg | 180 | 17. | 1               |
| 2-Methylnaphthalene                              | 32     | J         | ug/kg | 220 | 22. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 180 | 19. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 180 | 22. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 110 | 34. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 180 | 27. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 180 | 21. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 160 | 29. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 180 | 59. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 390 | 67. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 250 | 73. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 860 | 84. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 470 | 86. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 140 | 39. | 1               |
| Phenol   | ND     |           | ug/kg | 180 | 27. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 180 | 28. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 260 | 28. | 1               |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-12  
 Client ID: SB013 (6-8)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 14:40  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 180 | 34. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 580 | 180 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 180 | 55. | 1               |
| Carbazole  | 58     | J         | ug/kg | 180 | 17. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 27  | 8.2 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 73         |           | 25-120              |
| Phenol-d6            | 91         |           | 10-120              |
| Nitrobenzene-d5      | 92         |           | 23-120              |
| 2-Fluorobiphenyl     | 67         |           | 30-120              |
| 2,4,6-Tribromophenol | 42         |           | 10-136              |
| 4-Terphenyl-d14      | 53         |           | 18-120              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-13  
**Client ID:** SB013 (10-12)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 14:55  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 06/13/22 19:04  
**Analyst:** JG  
**Percent Solids:** 93%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/12/22 02:04

| Parameter   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |     |                 |
| Acenaphthene  | ND     |           | ug/kg | 140 | 18. | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 180 | 20. | 1               |
| Hexachlorobenzene                                       | ND     |           | ug/kg | 100 | 20. | 1               |
| Bis(2-chloroethyl)ether                                 | ND     |           | ug/kg | 160 | 24. | 1               |
| 2-Chloronaphthalene                                     | ND     |           | ug/kg | 180 | 17. | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 32. | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 30. | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 31. | 1               |
| 3,3'-Dichlorobenzidine                                  | ND     |           | ug/kg | 180 | 47. | 1               |
| 2,4-Dinitrotoluene                                      | ND     |           | ug/kg | 180 | 35. | 1               |
| 2,6-Dinitrotoluene                                      | ND     |           | ug/kg | 180 | 30. | 1               |
| Fluoranthene  | 220    |           | ug/kg | 100 | 20. | 1               |
| 4-Chlorophenyl phenyl ether                             | ND     |           | ug/kg | 180 | 19. | 1               |
| 4-Bromophenyl phenyl ether                              | ND     |           | ug/kg | 180 | 27. | 1               |
| Bis(2-chloroisopropyl)ether                             | ND     |           | ug/kg | 210 | 30. | 1               |
| Bis(2-chloroethoxy)methane                              | ND     |           | ug/kg | 190 | 18. | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 180 | 26. | 1               |
| Hexachlorocyclopentadiene                               | ND     |           | ug/kg | 500 | 160 | 1               |
| Hexachloroethane  | ND     |           | ug/kg | 140 | 28. | 1               |
| Isophorone  | ND     |           | ug/kg | 160 | 23. | 1               |
| Naphthalene   | 30     | J         | ug/kg | 180 | 21. | 1               |
| Nitrobenzene  | ND     |           | ug/kg | 160 | 26. | 1               |
| NDPA/DPA  | ND     |           | ug/kg | 140 | 20. | 1               |
| n-Nitrosodi-n-propylamine                               | ND     |           | ug/kg | 180 | 27. | 1               |
| Bis(2-ethylhexyl)phthalate                              | ND     |           | ug/kg | 180 | 61. | 1               |
| Butyl benzyl phthalate                                  | ND     |           | ug/kg | 180 | 44. | 1               |
| Di-n-butylphthalate                                     | ND     |           | ug/kg | 180 | 33. | 1               |
| Di-n-octylphthalate                                     | ND     |           | ug/kg | 180 | 60. | 1               |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

## SAMPLE RESULTS

Lab ID: L2231035-13

Date Collected: 06/10/22 14:55

Client ID: SB013 (10-12)

Date Received: 06/10/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 180 | 16. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 180 | 37. | 1               |
| Benzo(a)anthracene                               | 150    |           | ug/kg | 100 | 20. | 1               |
| Benzo(a)pyrene                                   | 140    |           | ug/kg | 140 | 43. | 1               |
| Benzo(b)fluoranthene                             | 170    |           | ug/kg | 100 | 30. | 1               |
| Benzo(k)fluoranthene                             | 47     | J         | ug/kg | 100 | 28. | 1               |
| Chrysene   | 150    |           | ug/kg | 100 | 18. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 140 | 27. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 100 | 34. | 1               |
| Benzo(ghi)perylene                               | 98     | J         | ug/kg | 140 | 21. | 1               |
| Fluorene   | ND     |           | ug/kg | 180 | 17. | 1               |
| Phenanthrene                                     | 140    |           | ug/kg | 100 | 21. | 1               |
| Dibenzo(a,h)anthracene                           | 22     | J         | ug/kg | 100 | 20. | 1               |
| Indeno(1,2,3-cd)pyrene                           | 94     | J         | ug/kg | 140 | 24. | 1               |
| Pyrene   | 240    |           | ug/kg | 100 | 18. | 1               |
| Biphenyl   | ND     |           | ug/kg | 400 | 23. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 180 | 32. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 180 | 34. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 180 | 33. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 180 | 73. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 180 | 17. | 1               |
| 2-Methylnaphthalene                              | 41     | J         | ug/kg | 210 | 21. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 180 | 18. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 180 | 22. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 100 | 33. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 180 | 26. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 180 | 21. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 160 | 28. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 180 | 58. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 380 | 66. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 250 | 72. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 840 | 82. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 460 | 84. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 140 | 39. | 1               |
| Phenol   | ND     |           | ug/kg | 180 | 27. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 180 | 27. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 250 | 28. | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-13  
 Client ID: SB013 (10-12)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 14:55  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 180 | 34. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 570 | 180 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 180 | 54. | 1               |
| Carbazole  | ND     |           | ug/kg | 180 | 17. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 26  | 8.1 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 75         |           | 25-120              |
| Phenol-d6            | 82         |           | 10-120              |
| Nitrobenzene-d5      | 86         |           | 23-120              |
| 2-Fluorobiphenyl     | 61         |           | 30-120              |
| 2,4,6-Tribromophenol | 52         |           | 10-136              |
| 4-Terphenyl-d14      | 49         |           | 18-120              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**Method Blank Analysis  
 Batch Quality Control**

Analytical Method: 1,8270D  
 Analytical Date: 06/13/22 09:24  
 Analyst: JG

Extraction Method: EPA 3546  
 Extraction Date: 06/12/22 01:28

| Parameter   | Result | Qualifier | Units | RL  | MDL |
|---|--------|-----------|-------|-----|-----|
| Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 02-09,11-13 Batch: WG1649496-1 |        |           |       |     |     |
| Acenaphthene  | ND     |           | ug/kg | 130 | 17. |
| 1,2,4-Trichlorobenzene  | ND     |           | ug/kg | 160 | 19. |
| Hexachlorobenzene   | ND     |           | ug/kg | 99  | 18. |
| Bis(2-chloroethyl)ether   | ND     |           | ug/kg | 150 | 22. |
| 2-Chloronaphthalene   | ND     |           | ug/kg | 160 | 16. |
| 1,2-Dichlorobenzene   | ND     |           | ug/kg | 160 | 30. |
| 1,3-Dichlorobenzene   | ND     |           | ug/kg | 160 | 28. |
| 1,4-Dichlorobenzene   | ND     |           | ug/kg | 160 | 29. |
| 3,3'-Dichlorobenzidine  | ND     |           | ug/kg | 160 | 44. |
| 2,4-Dinitrotoluene  | ND     |           | ug/kg | 160 | 33. |
| 2,6-Dinitrotoluene  | ND     |           | ug/kg | 160 | 28. |
| Fluoranthene  | ND     |           | ug/kg | 99  | 19. |
| 4-Chlorophenyl phenyl ether   | ND     |           | ug/kg | 160 | 18. |
| 4-Bromophenyl phenyl ether  | ND     |           | ug/kg | 160 | 25. |
| Bis(2-chloroisopropyl)ether   | ND     |           | ug/kg | 200 | 28. |
| Bis(2-chloroethoxy)methane  | ND     |           | ug/kg | 180 | 16. |
| Hexachlorobutadiene   | ND     |           | ug/kg | 160 | 24. |
| Hexachlorocyclopentadiene   | ND     |           | ug/kg | 470 | 150 |
| Hexachloroethane  | ND     |           | ug/kg | 130 | 27. |
| Isophorone  | ND     |           | ug/kg | 150 | 21. |
| Naphthalene   | ND     |           | ug/kg | 160 | 20. |
| Nitrobenzene  | ND     |           | ug/kg | 150 | 24. |
| NDPA/DPA  | ND     |           | ug/kg | 130 | 19. |
| n-Nitrosodi-n-propylamine   | ND     |           | ug/kg | 160 | 25. |
| Bis(2-ethylhexyl)phthalate  | ND     |           | ug/kg | 160 | 57. |
| Butyl benzyl phthalate  | ND     |           | ug/kg | 160 | 41. |
| Di-n-butylphthalate   | ND     |           | ug/kg | 160 | 31. |
| Di-n-octylphthalate   | ND     |           | ug/kg | 160 | 56. |
| Diethyl phthalate   | ND     |           | ug/kg | 160 | 15. |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**Method Blank Analysis  
 Batch Quality Control**

Analytical Method: 1,8270D  
 Analytical Date: 06/13/22 09:24  
 Analyst: JG

Extraction Method: EPA 3546  
 Extraction Date: 06/12/22 01:28

| Parameter  | Result | Qualifier | Units | RL  | MDL |
|--|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-09,11-13 Batch: WG1649496-1 |        |           |       |     |     |
| Dimethyl phthalate   | ND     |           | ug/kg | 160 | 34. |
| Benzo(a)anthracene   | ND     |           | ug/kg | 99  | 18. |
| Benzo(a)pyrene   | ND     |           | ug/kg | 130 | 40. |
| Benzo(b)fluoranthene   | ND     |           | ug/kg | 99  | 28. |
| Benzo(k)fluoranthene   | ND     |           | ug/kg | 99  | 26. |
| Chrysene   | ND     |           | ug/kg | 99  | 17. |
| Acenaphthylene   | ND     |           | ug/kg | 130 | 25. |
| Anthracene   | ND     |           | ug/kg | 99  | 32. |
| Benzo(ghi)perylene   | ND     |           | ug/kg | 130 | 19. |
| Fluorene   | ND     |           | ug/kg | 160 | 16. |
| Phenanthrene   | ND     |           | ug/kg | 99  | 20. |
| Dibenzo(a,h)anthracene   | ND     |           | ug/kg | 99  | 19. |
| Indeno(1,2,3-cd)pyrene   | ND     |           | ug/kg | 130 | 23. |
| Pyrene   | ND     |           | ug/kg | 99  | 16. |
| Biphenyl   | ND     |           | ug/kg | 380 | 21. |
| 4-Chloroaniline  | ND     |           | ug/kg | 160 | 30. |
| 2-Nitroaniline   | ND     |           | ug/kg | 160 | 32. |
| 3-Nitroaniline   | ND     |           | ug/kg | 160 | 31. |
| 4-Nitroaniline   | ND     |           | ug/kg | 160 | 68. |
| Dibenzofuran   | ND     |           | ug/kg | 160 | 16. |
| 2-Methylnaphthalene  | ND     |           | ug/kg | 200 | 20. |
| 1,2,4,5-Tetrachlorobenzene   | ND     |           | ug/kg | 160 | 17. |
| Acetophenone   | ND     |           | ug/kg | 160 | 20. |
| 2,4,6-Trichlorophenol  | ND     |           | ug/kg | 99  | 31. |
| p-Chloro-m-cresol  | ND     |           | ug/kg | 160 | 24. |
| 2-Chlorophenol   | ND     |           | ug/kg | 160 | 19. |
| 2,4-Dichlorophenol   | ND     |           | ug/kg | 150 | 26. |
| 2,4-Dimethylphenol   | ND     |           | ug/kg | 160 | 54. |
| 2-Nitrophenol  | ND     |           | ug/kg | 360 | 62. |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**Method Blank Analysis  
 Batch Quality Control**

Analytical Method: 1,8270D  
 Analytical Date: 06/13/22 09:24  
 Analyst: JG

Extraction Method: EPA 3546  
 Extraction Date: 06/12/22 01:28

| Parameter  | Result | Qualifier | Units | RL  | MDL |
|--|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-09,11-13 Batch: WG1649496-1 |        |           |       |     |     |
| 4-Nitrophenol  | ND     |           | ug/kg | 230 | 67. |
| 2,4-Dinitrophenol  | ND     |           | ug/kg | 790 | 77. |
| 4,6-Dinitro-o-cresol   | ND     |           | ug/kg | 430 | 79. |
| Pentachlorophenol  | ND     |           | ug/kg | 130 | 36. |
| Phenol   | ND     |           | ug/kg | 160 | 25. |
| 2-Methylphenol   | ND     |           | ug/kg | 160 | 25. |
| 3-Methylphenol/4-Methylphenol  | ND     |           | ug/kg | 240 | 26. |
| 2,4,5-Trichlorophenol  | ND     |           | ug/kg | 160 | 32. |
| Benzoic Acid   | ND     |           | ug/kg | 530 | 170 |
| Benzyl Alcohol   | ND     |           | ug/kg | 160 | 50. |
| Carbazole  | ND     |           | ug/kg | 160 | 16. |
| 1,4-Dioxane  | ND     |           | ug/kg | 25  | 7.6 |

| Surrogate            | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|---------------------|
| 2-Fluorophenol       | 53        |           | 25-120              |
| Phenol-d6            | 58        |           | 10-120              |
| Nitrobenzene-d5      | 54        |           | 23-120              |
| 2-Fluorobiphenyl     | 43        |           | 30-120              |
| 2,4,6-Tribromophenol | 45        |           | 10-136              |
| 4-Terphenyl-d14      | 50        |           | 18-120              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 06/15/22 16:28  
Analyst: SZ

Extraction Method: EPA 3510C  
Extraction Date: 06/14/22 23:41

| Parameter  | Result | Qualifier | Units | RL  | MDL  |
|--|--------|-----------|-------|-----|------|
| Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1650614-1 |        |           |       |     |      |
| Acenaphthene   | ND     |           | ug/l  | 2.0 | 0.44 |
| 1,2,4-Trichlorobenzene   | ND     |           | ug/l  | 5.0 | 0.50 |
| Hexachlorobenzene  | ND     |           | ug/l  | 2.0 | 0.46 |
| Bis(2-chloroethyl)ether  | ND     |           | ug/l  | 2.0 | 0.50 |
| 2-Chloronaphthalene  | ND     |           | ug/l  | 2.0 | 0.44 |
| 1,2-Dichlorobenzene  | ND     |           | ug/l  | 2.0 | 0.45 |
| 1,3-Dichlorobenzene  | ND     |           | ug/l  | 2.0 | 0.40 |
| 1,4-Dichlorobenzene  | ND     |           | ug/l  | 2.0 | 0.43 |
| 3,3'-Dichlorobenzidine   | ND     |           | ug/l  | 5.0 | 1.6  |
| 2,4-Dinitrotoluene   | ND     |           | ug/l  | 5.0 | 1.2  |
| 2,6-Dinitrotoluene   | ND     |           | ug/l  | 5.0 | 0.93 |
| Fluoranthene   | ND     |           | ug/l  | 2.0 | 0.26 |
| 4-Chlorophenyl phenyl ether  | ND     |           | ug/l  | 2.0 | 0.49 |
| 4-Bromophenyl phenyl ether   | ND     |           | ug/l  | 2.0 | 0.38 |
| Bis(2-chloroisopropyl)ether  | ND     |           | ug/l  | 2.0 | 0.53 |
| Bis(2-chloroethoxy)methane   | ND     |           | ug/l  | 5.0 | 0.50 |
| Hexachlorobutadiene  | ND     |           | ug/l  | 2.0 | 0.66 |
| Hexachlorocyclopentadiene  | ND     |           | ug/l  | 20  | 0.69 |
| Hexachloroethane   | ND     |           | ug/l  | 2.0 | 0.58 |
| Isophorone   | ND     |           | ug/l  | 5.0 | 1.2  |
| Naphthalene  | ND     |           | ug/l  | 2.0 | 0.46 |
| Nitrobenzene   | ND     |           | ug/l  | 2.0 | 0.77 |
| NDPA/DPA   | ND     |           | ug/l  | 2.0 | 0.42 |
| n-Nitrosodi-n-propylamine  | ND     |           | ug/l  | 5.0 | 0.64 |
| Bis(2-ethylhexyl)phthalate   | ND     |           | ug/l  | 3.0 | 1.5  |
| Butyl benzyl phthalate   | ND     |           | ug/l  | 5.0 | 1.2  |
| Di-n-butylphthalate  | ND     |           | ug/l  | 5.0 | 0.39 |
| Di-n-octylphthalate  | ND     |           | ug/l  | 5.0 | 1.3  |
| Diethyl phthalate  | ND     |           | ug/l  | 5.0 | 0.38 |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 06/15/22 16:28  
Analyst: SZ

Extraction Method: EPA 3510C  
Extraction Date: 06/14/22 23:41

| Parameter   | Result | Qualifier | Units | RL  | MDL  |
|---|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1650614-1 |        |           |       |     |      |
| Dimethyl phthalate  | ND     |           | ug/l  | 5.0 | 1.8  |
| Benzo(a)anthracene  | ND     |           | ug/l  | 2.0 | 0.32 |
| Benzo(a)pyrene  | ND     |           | ug/l  | 2.0 | 0.41 |
| Benzo(b)fluoranthene  | ND     |           | ug/l  | 2.0 | 0.35 |
| Benzo(k)fluoranthene  | ND     |           | ug/l  | 2.0 | 0.37 |
| Chrysene  | ND     |           | ug/l  | 2.0 | 0.34 |
| Acenaphthylene  | ND     |           | ug/l  | 2.0 | 0.46 |
| Anthracene  | ND     |           | ug/l  | 2.0 | 0.33 |
| Benzo(ghi)perylene  | ND     |           | ug/l  | 2.0 | 0.30 |
| Fluorene  | ND     |           | ug/l  | 2.0 | 0.41 |
| Phenanthrene  | ND     |           | ug/l  | 2.0 | 0.33 |
| Dibenzo(a,h)anthracene  | ND     |           | ug/l  | 2.0 | 0.32 |
| Indeno(1,2,3-cd)pyrene  | ND     |           | ug/l  | 2.0 | 0.40 |
| Pyrene  | ND     |           | ug/l  | 2.0 | 0.28 |
| Biphenyl  | ND     |           | ug/l  | 2.0 | 0.46 |
| 4-Chloroaniline   | ND     |           | ug/l  | 5.0 | 1.1  |
| 2-Nitroaniline  | ND     |           | ug/l  | 5.0 | 0.50 |
| 3-Nitroaniline  | ND     |           | ug/l  | 5.0 | 0.81 |
| 4-Nitroaniline  | ND     |           | ug/l  | 5.0 | 0.80 |
| Dibenzofuran  | ND     |           | ug/l  | 2.0 | 0.50 |
| 2-Methylnaphthalene   | ND     |           | ug/l  | 2.0 | 0.45 |
| 1,2,4,5-Tetrachlorobenzene  | ND     |           | ug/l  | 10  | 0.44 |
| Acetophenone  | ND     |           | ug/l  | 5.0 | 0.53 |
| 2,4,6-Trichlorophenol   | ND     |           | ug/l  | 5.0 | 0.61 |
| p-Chloro-m-cresol   | ND     |           | ug/l  | 2.0 | 0.35 |
| 2-Chlorophenol  | ND     |           | ug/l  | 2.0 | 0.48 |
| 2,4-Dichlorophenol  | ND     |           | ug/l  | 5.0 | 0.41 |
| 2,4-Dimethylphenol  | ND     |           | ug/l  | 5.0 | 1.8  |
| 2-Nitrophenol   | ND     |           | ug/l  | 10  | 0.85 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 06/15/22 16:28  
Analyst: SZ

Extraction Method: EPA 3510C  
Extraction Date: 06/14/22 23:41

| Parameter   | Result | Qualifier | Units | RL  | MDL  |
|---|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1650614-1 |        |           |       |     |      |
| 4-Nitrophenol   | ND     |           | ug/l  | 10  | 0.67 |
| 2,4-Dinitrophenol   | ND     |           | ug/l  | 20  | 6.6  |
| 4,6-Dinitro-o-cresol  | ND     |           | ug/l  | 10  | 1.8  |
| Pentachlorophenol   | ND     |           | ug/l  | 10  | 1.8  |
| Phenol  | ND     |           | ug/l  | 5.0 | 0.57 |
| 2-Methylphenol  | ND     |           | ug/l  | 5.0 | 0.49 |
| 3-Methylphenol/4-Methylphenol   | ND     |           | ug/l  | 5.0 | 0.48 |
| 2,4,5-Trichlorophenol   | ND     |           | ug/l  | 5.0 | 0.77 |
| Benzoic Acid  | ND     |           | ug/l  | 50  | 2.6  |
| Benzyl Alcohol  | ND     |           | ug/l  | 2.0 | 0.59 |
| Carbazole   | ND     |           | ug/l  | 2.0 | 0.49 |

| Surrogate            | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|---------------------|
| 2-Fluorophenol       | 59        |           | 21-120              |
| Phenol-d6            | 48        |           | 10-120              |
| Nitrobenzene-d5      | 65        |           | 23-120              |
| 2-Fluorobiphenyl     | 67        |           | 15-120              |
| 2,4,6-Tribromophenol | 71        |           | 10-120              |
| 4-Terphenyl-d14      | 66        |           | 41-149              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D-SIM  
Analytical Date: 06/15/22 13:39  
Analyst: RP

Extraction Method: EPA 3510C  
Extraction Date: 06/14/22 23:44

| Parameter   | Result | Qualifier | Units | RL   | MDL  |
|---|--------|-----------|-------|------|------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1650615-1 |        |           |       |      |      |
| Acenaphthene  | ND     |           | ug/l  | 0.10 | 0.01 |
| 2-Chloronaphthalene   | ND     |           | ug/l  | 0.20 | 0.02 |
| Fluoranthene  | ND     |           | ug/l  | 0.10 | 0.02 |
| Hexachlorobutadiene   | ND     |           | ug/l  | 0.50 | 0.05 |
| Naphthalene   | ND     |           | ug/l  | 0.10 | 0.05 |
| Benzo(a)anthracene  | ND     |           | ug/l  | 0.10 | 0.02 |
| Benzo(a)pyrene  | ND     |           | ug/l  | 0.10 | 0.02 |
| Benzo(b)fluoranthene  | ND     |           | ug/l  | 0.10 | 0.01 |
| Benzo(k)fluoranthene  | ND     |           | ug/l  | 0.10 | 0.01 |
| Chrysene  | ND     |           | ug/l  | 0.10 | 0.01 |
| Acenaphthylene  | ND     |           | ug/l  | 0.10 | 0.01 |
| Anthracene  | ND     |           | ug/l  | 0.10 | 0.01 |
| Benzo(ghi)perylene  | ND     |           | ug/l  | 0.10 | 0.01 |
| Fluorene  | ND     |           | ug/l  | 0.10 | 0.01 |
| Phenanthrene  | 0.03   | J         | ug/l  | 0.10 | 0.02 |
| Dibenzo(a,h)anthracene  | ND     |           | ug/l  | 0.10 | 0.01 |
| Indeno(1,2,3-cd)pyrene  | ND     |           | ug/l  | 0.10 | 0.01 |
| Pyrene  | ND     |           | ug/l  | 0.10 | 0.02 |
| 2-Methylnaphthalene   | ND     |           | ug/l  | 0.10 | 0.02 |
| Pentachlorophenol   | ND     |           | ug/l  | 0.80 | 0.01 |
| Hexachlorobenzene   | ND     |           | ug/l  | 0.80 | 0.01 |
| Hexachloroethane  | ND     |           | ug/l  | 0.80 | 0.06 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D-SIM  
Analytical Date: 06/15/22 13:39  
Analyst: RP

Extraction Method: EPA 3510C  
Extraction Date: 06/14/22 23:44

| Parameter   | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|----|-----|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1650615-1 |        |           |       |    |     |

| Surrogate            | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|---------------------|
| 2-Fluorophenol       | 68        |           | 21-120              |
| Phenol-d6            | 55        |           | 10-120              |
| Nitrobenzene-d5      | 75        |           | 23-120              |
| 2-Fluorobiphenyl     | 76        |           | 15-120              |
| 2,4,6-Tribromophenol | 83        |           | 10-120              |
| 4-Terphenyl-d14      | 79        |           | 41-149              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D-SIM  
Analytical Date: 06/21/22 16:11  
Analyst: DB

Extraction Method: EPA 3510C  
Extraction Date: 06/16/22 19:00

| Parameter   | Result | Qualifier | Units | RL  | MDL  |
|---|--------|-----------|-------|-----|------|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 01 Batch: WG1651700-1 |        |           |       |     |      |
| 1,4-Dioxane   | ND     |           | ng/l  | 150 | 33.9 |

| Surrogate      | %Recovery | Qualifier | Acceptance<br>Criteria |
|----------------|-----------|-----------|------------------------|
| 1,4-Dioxane-d8 | 39        |           | 15-110                 |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-09,11-13 Batch: WG1649496-2 WG1649496-3 |                  |      |                   |      |                     |     |      |               |
| Acenaphthene  | 53               |      | 61                |      | 31-137              | 14  |      | 50            |
| 1,2,4-Trichlorobenzene  | 52               |      | 57                |      | 38-107              | 9   |      | 50            |
| Hexachlorobenzene   | 41               |      | 50                |      | 40-140              | 20  |      | 50            |
| Bis(2-chloroethyl)ether   | 65               |      | 69                |      | 40-140              | 6   |      | 50            |
| 2-Chloronaphthalene   | 54               |      | 61                |      | 40-140              | 12  |      | 50            |
| 1,2-Dichlorobenzene   | 56               |      | 57                |      | 40-140              | 2   |      | 50            |
| 1,3-Dichlorobenzene   | 54               |      | 52                |      | 40-140              | 4   |      | 50            |
| 1,4-Dichlorobenzene   | 55               |      | 54                |      | 28-104              | 2   |      | 50            |
| 3,3'-Dichlorobenzidine  | 45               |      | 43                |      | 40-140              | 5   |      | 50            |
| 2,4-Dinitrotoluene  | 54               |      | 66                |      | 40-132              | 20  |      | 50            |
| 2,6-Dinitrotoluene  | 52               |      | 60                |      | 40-140              | 14  |      | 50            |
| Fluoranthene  | 50               |      | 63                |      | 40-140              | 23  |      | 50            |
| 4-Chlorophenyl phenyl ether   | 47               |      | 56                |      | 40-140              | 17  |      | 50            |
| 4-Bromophenyl phenyl ether  | 44               |      | 53                |      | 40-140              | 19  |      | 50            |
| Bis(2-chloroisopropyl)ether   | 60               |      | 65                |      | 40-140              | 8   |      | 50            |
| Bis(2-chloroethoxy)methane  | 67               |      | 75                |      | 40-117              | 11  |      | 50            |
| Hexachlorobutadiene   | 46               |      | 48                |      | 40-140              | 4   |      | 50            |
| Hexachlorocyclopentadiene   | 45               |      | 48                |      | 40-140              | 6   |      | 50            |
| Hexachloroethane  | 63               |      | 58                |      | 40-140              | 8   |      | 50            |
| Isophorone  | 69               |      | 76                |      | 40-140              | 10  |      | 50            |
| Naphthalene   | 56               |      | 62                |      | 40-140              | 10  |      | 50            |
| Nitrobenzene  | 71               |      | 79                |      | 40-140              | 11  |      | 50            |
| NDPA/DPA  | 51               |      | 62                |      | 36-157              | 19  |      | 50            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-09,11-13 Batch: WG1649496-2 WG1649496-3 |                  |      |                   |      |                     |     |      |               |
| n-Nitrosodi-n-propylamine   | 70               |      | 79                |      | 32-121              | 12  |      | 50            |
| Bis(2-ethylhexyl)phthalate  | 58               |      | 73                |      | 40-140              | 23  |      | 50            |
| Butyl benzyl phthalate  | 53               |      | 68                |      | 40-140              | 25  |      | 50            |
| Di-n-butylphthalate   | 55               |      | 70                |      | 40-140              | 24  |      | 50            |
| Di-n-octylphthalate   | 58               |      | 72                |      | 40-140              | 22  |      | 50            |
| Diethyl phthalate   | 54               |      | 65                |      | 40-140              | 18  |      | 50            |
| Dimethyl phthalate  | 52               |      | 61                |      | 40-140              | 16  |      | 50            |
| Benzo(a)anthracene  | 56               |      | 69                |      | 40-140              | 21  |      | 50            |
| Benzo(a)pyrene  | 48               |      | 60                |      | 40-140              | 22  |      | 50            |
| Benzo(b)fluoranthene  | 46               |      | 55                |      | 40-140              | 18  |      | 50            |
| Benzo(k)fluoranthene  | 46               |      | 59                |      | 40-140              | 25  |      | 50            |
| Chrysene  | 48               |      | 61                |      | 40-140              | 24  |      | 50            |
| Acenaphthylene  | 57               |      | 65                |      | 40-140              | 13  |      | 50            |
| Anthracene  | 51               |      | 64                |      | 40-140              | 23  |      | 50            |
| Benzo(ghi)perylene  | 49               |      | 64                |      | 40-140              | 27  |      | 50            |
| Fluorene  | 52               |      | 63                |      | 40-140              | 19  |      | 50            |
| Phenanthrene  | 52               |      | 65                |      | 40-140              | 22  |      | 50            |
| Dibenzo(a,h)anthracene  | 49               |      | 63                |      | 40-140              | 25  |      | 50            |
| Indeno(1,2,3-cd)pyrene  | 50               |      | 66                |      | 40-140              | 28  |      | 50            |
| Pyrene  | 48               |      | 62                |      | 35-142              | 25  |      | 50            |
| Biphenyl  | 54               |      | 62                |      | 37-127              | 14  |      | 50            |
| 4-Chloroaniline   | 68               |      | 70                |      | 40-140              | 3   |      | 50            |
| 2-Nitroaniline  | 56               |      | 66                |      | 47-134              | 16  |      | 50            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-09,11-13 Batch: WG1649496-2 WG1649496-3 |                  |      |                   |      |                     |     |      |               |
| 3-Nitroaniline  | 53               |      | 54                |      | 26-129              | 2   |      | 50            |
| 4-Nitroaniline  | 55               |      | 66                |      | 41-125              | 18  |      | 50            |
| Dibenzofuran  | 53               |      | 63                |      | 40-140              | 17  |      | 50            |
| 2-Methylnaphthalene   | 56               |      | 62                |      | 40-140              | 10  |      | 50            |
| 1,2,4,5-Tetrachlorobenzene  | 50               |      | 56                |      | 40-117              | 11  |      | 50            |
| Acetophenone  | 63               |      | 71                |      | 14-144              | 12  |      | 50            |
| 2,4,6-Trichlorophenol   | 53               |      | 61                |      | 30-130              | 14  |      | 50            |
| p-Chloro-m-cresol   | 63               |      | 74                |      | 26-103              | 16  |      | 50            |
| 2-Chlorophenol  | 62               |      | 67                |      | 25-102              | 8   |      | 50            |
| 2,4-Dichlorophenol  | 59               |      | 69                |      | 30-130              | 16  |      | 50            |
| 2,4-Dimethylphenol  | 68               |      | 74                |      | 30-130              | 8   |      | 50            |
| 2-Nitrophenol   | 58               |      | 65                |      | 30-130              | 11  |      | 50            |
| 4-Nitrophenol   | 66               |      | 85                |      | 11-114              | 25  |      | 50            |
| 2,4-Dinitrophenol   | 19               |      | 24                |      | 4-130               | 23  |      | 50            |
| 4,6-Dinitro-o-cresol  | 43               |      | 53                |      | 10-130              | 21  |      | 50            |
| Pentachlorophenol   | 36               |      | 46                |      | 17-109              | 24  |      | 50            |
| Phenol  | 74               |      | 82                |      | 26-90               | 10  |      | 50            |
| 2-Methylphenol  | 68               |      | 77                |      | 30-130.             | 12  |      | 50            |
| 3-Methylphenol/4-Methylphenol   | 68               |      | 76                |      | 30-130              | 11  |      | 50            |
| 2,4,5-Trichlorophenol   | 52               |      | 61                |      | 30-130              | 16  |      | 50            |
| Benzoic Acid  | 0                | Q    | 0                 | Q    | 10-110              | NC  |      | 50            |
| Benzyl Alcohol  | 75               |      | 84                |      | 40-140              | 11  |      | 50            |
| Carbazole   | 53               | Q    | 68                |      | 54-128              | 25  |      | 50            |



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-09,11-13 Batch: WG1649496-2 WG1649496-3 |                  |      |                   |      |                     |     |      |               |
| 1,4-Dioxane   | 47               |      | 32                | Q    | 40-140              | 38  |      | 50            |

| Surrogate            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol       | 66               |      | 71                |      | 25-120                 |
| Phenol-d6            | 73               |      | 81                |      | 10-120                 |
| Nitrobenzene-d5      | 69               |      | 78                |      | 23-120                 |
| 2-Fluorobiphenyl     | 50               |      | 57                |      | 30-120                 |
| 2,4,6-Tribromophenol | 43               |      | 52                |      | 10-136                 |
| 4-Terphenyl-d14      | 41               |      | 53                |      | 18-120                 |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1650614-2 WG1650614-3 |                  |      |                   |      |                     |     |      |               |
| Acenaphthene   | 57               |      | 83                |      | 37-111              | 37  | Q    | 30            |
| 1,2,4-Trichlorobenzene   | 53               |      | 80                |      | 39-98               | 41  | Q    | 30            |
| Hexachlorobenzene  | 68               |      | 90                |      | 40-140              | 28  |      | 30            |
| Bis(2-chloroethyl)ether  | 47               |      | 76                |      | 40-140              | 47  | Q    | 30            |
| 2-Chloronaphthalene  | 55               |      | 81                |      | 40-140              | 38  | Q    | 30            |
| 1,2-Dichlorobenzene  | 50               |      | 80                |      | 40-140              | 46  | Q    | 30            |
| 1,3-Dichlorobenzene  | 49               |      | 79                |      | 40-140              | 47  | Q    | 30            |
| 1,4-Dichlorobenzene  | 48               |      | 77                |      | 36-97               | 46  | Q    | 30            |
| 3,3'-Dichlorobenzidine   | 52               |      | 69                |      | 40-140              | 28  |      | 30            |
| 2,4-Dinitrotoluene   | 62               |      | 84                |      | 48-143              | 30  |      | 30            |
| 2,6-Dinitrotoluene   | 80               |      | 109               |      | 40-140              | 31  | Q    | 30            |
| Fluoranthene   | 64               |      | 83                |      | 40-140              | 26  |      | 30            |
| 4-Chlorophenyl phenyl ether  | 60               |      | 86                |      | 40-140              | 36  | Q    | 30            |
| 4-Bromophenyl phenyl ether   | 68               |      | 88                |      | 40-140              | 26  |      | 30            |
| Bis(2-chloroisopropyl)ether  | 55               |      | 89                |      | 40-140              | 47  | Q    | 30            |
| Bis(2-chloroethoxy)methane   | 57               |      | 82                |      | 40-140              | 36  | Q    | 30            |
| Hexachlorobutadiene  | 48               |      | 74                |      | 40-140              | 43  | Q    | 30            |
| Hexachlorocyclopentadiene  | 54               |      | 87                |      | 40-140              | 47  | Q    | 30            |
| Hexachloroethane   | 48               |      | 74                |      | 40-140              | 43  | Q    | 30            |
| Isophorone   | 49               |      | 74                |      | 40-140              | 41  | Q    | 30            |
| Naphthalene  | 53               |      | 83                |      | 40-140              | 44  | Q    | 30            |
| Nitrobenzene   | 53               |      | 79                |      | 40-140              | 39  | Q    | 30            |
| NDPA/DPA   | 66               |      | 87                |      | 40-140              | 27  |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1650614-2 WG1650614-3 |                  |      |                   |      |                     |     |      |               |
| n-Nitrosodi-n-propylamine  | 50               |      | 72                |      | 29-132              | 36  | Q    | 30            |
| Bis(2-ethylhexyl)phthalate   | 75               |      | 98                |      | 40-140              | 27  |      | 30            |
| Butyl benzyl phthalate   | 74               |      | 93                |      | 40-140              | 23  |      | 30            |
| Di-n-butylphthalate  | 65               |      | 86                |      | 40-140              | 28  |      | 30            |
| Di-n-octylphthalate  | 69               |      | 93                |      | 40-140              | 30  |      | 30            |
| Diethyl phthalate  | 67               |      | 86                |      | 40-140              | 25  |      | 30            |
| Dimethyl phthalate   | 68               |      | 92                |      | 40-140              | 30  |      | 30            |
| Benzo(a)anthracene   | 65               |      | 84                |      | 40-140              | 26  |      | 30            |
| Benzo(a)pyrene   | 65               |      | 84                |      | 40-140              | 26  |      | 30            |
| Benzo(b)fluoranthene   | 70               |      | 90                |      | 40-140              | 25  |      | 30            |
| Benzo(k)fluoranthene   | 63               |      | 83                |      | 40-140              | 27  |      | 30            |
| Chrysene   | 65               |      | 84                |      | 40-140              | 26  |      | 30            |
| Acenaphthylene   | 58               |      | 87                |      | 45-123              | 40  | Q    | 30            |
| Anthracene   | 62               |      | 85                |      | 40-140              | 31  | Q    | 30            |
| Benzo(ghi)perylene   | 65               |      | 82                |      | 40-140              | 23  |      | 30            |
| Fluorene   | 61               |      | 84                |      | 40-140              | 32  | Q    | 30            |
| Phenanthrene   | 62               |      | 83                |      | 40-140              | 29  |      | 30            |
| Dibenzo(a,h)anthracene   | 65               |      | 83                |      | 40-140              | 24  |      | 30            |
| Indeno(1,2,3-cd)pyrene   | 66               |      | 84                |      | 40-140              | 24  |      | 30            |
| Pyrene   | 66               |      | 84                |      | 26-127              | 24  |      | 30            |
| Biphenyl   | 57               |      | 87                |      | 40-140              | 42  | Q    | 30            |
| 4-Chloroaniline  | 33               | Q    | 41                |      | 40-140              | 22  |      | 30            |
| 2-Nitroaniline   | 84               |      | 116               |      | 52-143              | 32  | Q    | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1650614-2 WG1650614-3 |                  |      |                   |      |                     |     |      |               |
| 3-Nitroaniline   | 65               |      | 88                |      | 25-145              | 30  |      | 30            |
| 4-Nitroaniline   | 81               |      | 100               |      | 51-143              | 21  |      | 30            |
| Dibenzofuran   | 60               |      | 84                |      | 40-140              | 33  | Q    | 30            |
| 2-Methylnaphthalene  | 56               |      | 85                |      | 40-140              | 41  | Q    | 30            |
| 1,2,4,5-Tetrachlorobenzene   | 53               |      | 82                |      | 2-134               | 43  | Q    | 30            |
| Acetophenone   | 49               |      | 74                |      | 39-129              | 41  | Q    | 30            |
| 2,4,6-Trichlorophenol  | 61               |      | 88                |      | 30-130              | 36  | Q    | 30            |
| p-Chloro-m-cresol  | 59               |      | 83                |      | 23-97               | 34  | Q    | 30            |
| 2-Chlorophenol   | 54               |      | 83                |      | 27-123              | 42  | Q    | 30            |
| 2,4-Dichlorophenol   | 61               |      | 90                |      | 30-130              | 38  | Q    | 30            |
| 2,4-Dimethylphenol   | 51               |      | 76                |      | 30-130              | 39  | Q    | 30            |
| 2-Nitrophenol  | 70               |      | 108               |      | 30-130              | 43  | Q    | 30            |
| 4-Nitrophenol  | 68               |      | 85                | Q    | 10-80               | 22  |      | 30            |
| 2,4-Dinitrophenol  | 89               |      | 114               |      | 20-130              | 25  |      | 30            |
| 4,6-Dinitro-o-cresol   | 108              |      | 127               |      | 20-164              | 16  |      | 30            |
| Pentachlorophenol  | 76               |      | 94                |      | 9-103               | 21  |      | 30            |
| Phenol   | 43               |      | 64                |      | 12-110              | 39  | Q    | 30            |
| 2-Methylphenol   | 53               |      | 80                |      | 30-130              | 41  | Q    | 30            |
| 3-Methylphenol/4-Methylphenol  | 59               |      | 85                |      | 30-130              | 36  | Q    | 30            |
| 2,4,5-Trichlorophenol  | 64               |      | 89                |      | 30-130              | 33  | Q    | 30            |
| Benzoic Acid   | 41               |      | 43                |      | 10-164              | 5   |      | 30            |
| Benzyl Alcohol   | 45               |      | 73                |      | 26-116              | 47  | Q    | 30            |
| Carbazole  | 67               |      | 84                |      | 55-144              | 23  |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
|-----------|------------------|------|-------------------|------|---------------------|-----|------|---------------|

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1650614-2 WG1650614-3

| Surrogate            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol       | 46               |      | 72                |      | 21-120                 |
| Phenol-d6            | 39               |      | 62                |      | 10-120                 |
| Nitrobenzene-d5      | 52               |      | 84                |      | 23-120                 |
| 2-Fluorobiphenyl     | 56               |      | 83                |      | 15-120                 |
| 2,4,6-Tribromophenol | 73               |      | 96                |      | 10-120                 |
| 4-Terphenyl-d14      | 63               |      | 79                |      | 41-149                 |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1650615-2 WG1650615-3 |                  |      |                   |      |                     |     |      |               |
| Acenaphthene   | 83               |      | 78                |      | 40-140              | 6   |      | 40            |
| 2-Chloronaphthalene  | 81               |      | 77                |      | 40-140              | 5   |      | 40            |
| Fluoranthene   | 90               |      | 81                |      | 40-140              | 11  |      | 40            |
| Hexachlorobutadiene  | 79               |      | 77                |      | 40-140              | 3   |      | 40            |
| Naphthalene  | 81               |      | 78                |      | 40-140              | 4   |      | 40            |
| Benzo(a)anthracene   | 83               |      | 74                |      | 40-140              | 11  |      | 40            |
| Benzo(a)pyrene   | 89               |      | 79                |      | 40-140              | 12  |      | 40            |
| Benzo(b)fluoranthene   | 98               |      | 85                |      | 40-140              | 14  |      | 40            |
| Benzo(k)fluoranthene   | 86               |      | 78                |      | 40-140              | 10  |      | 40            |
| Chrysene   | 89               |      | 80                |      | 40-140              | 11  |      | 40            |
| Acenaphthylene   | 84               |      | 77                |      | 40-140              | 9   |      | 40            |
| Anthracene   | 84               |      | 76                |      | 40-140              | 10  |      | 40            |
| Benzo(ghi)perylene   | 91               |      | 80                |      | 40-140              | 13  |      | 40            |
| Fluorene   | 86               |      | 80                |      | 40-140              | 7   |      | 40            |
| Phenanthrene   | 85               |      | 77                |      | 40-140              | 10  |      | 40            |
| Dibenzo(a,h)anthracene   | 96               |      | 84                |      | 40-140              | 13  |      | 40            |
| Indeno(1,2,3-cd)pyrene   | 94               |      | 83                |      | 40-140              | 12  |      | 40            |
| Pyrene   | 90               |      | 81                |      | 40-140              | 11  |      | 40            |
| 2-Methylnaphthalene  | 79               |      | 75                |      | 40-140              | 5   |      | 40            |
| Pentachlorophenol  | 95               |      | 86                |      | 40-140              | 10  |      | 40            |
| Hexachlorobenzene  | 78               |      | 72                |      | 40-140              | 8   |      | 40            |
| Hexachloroethane   | 74               |      | 73                |      | 40-140              | 1   |      | 40            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2231035

**Project Number:** 3883.0001Y000

**Report Date:** 06/27/22

| Parameter | <i>LCS</i><br>%Recovery | <i>Qual</i> | <i>LCSD</i><br>%Recovery | <i>Qual</i> | <i>%Recovery</i><br>Limits | <i>RPD</i> | <i>Qual</i> | <i>RPD</i><br>Limits |
|-----------|-------------------------|-------------|--------------------------|-------------|----------------------------|------------|-------------|----------------------|
|-----------|-------------------------|-------------|--------------------------|-------------|----------------------------|------------|-------------|----------------------|

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1650615-2 WG1650615-3

| <i>Surrogate</i>     | <i>LCS</i><br>%Recovery | <i>Qual</i> | <i>LCSD</i><br>%Recovery | <i>Qual</i> | <i>Acceptance</i><br>Criteria |
|----------------------|-------------------------|-------------|--------------------------|-------------|-------------------------------|
| 2-Fluorophenol       | 75                      |             | 72                       |             | 21-120                        |
| Phenol-d6            | 63                      |             | 59                       |             | 10-120                        |
| Nitrobenzene-d5      | 81                      |             | 79                       |             | 23-120                        |
| 2-Fluorobiphenyl     | 82                      |             | 78                       |             | 15-120                        |
| 2,4,6-Tribromophenol | 100                     |             | 91                       |             | 10-120                        |
| 4-Terphenyl-d14      | 89                      |             | 82                       |             | 41-149                        |

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 01 Batch: WG1651700-2 WG1651700-3 |                  |      |                   |      |                     |     |      |               |
| 1,4-Dioxane  | 134              |      | 132               |      | 40-140              | 2   |      | 30            |

| Surrogate      | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|----------------|------------------|------|-------------------|------|------------------------|
| 1,4-Dioxane-d8 | 31               |      | 36                |      | 15-110                 |



## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2231035

**Project Number:** 3883.0001Y000

**Report Date:** 06/27/22

| <i>Parameter</i>   | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|--|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-09,11-13 QC Batch ID: WG1649496-4 WG1649496-5 QC Sample: L2231035-04<br>Client ID: SB016 (0-2) |                      |                 |                 |                     |             |                  |                      |             |                        |            |             |                   |
| Acenaphthene   | ND                   | 1420            | 1200            | 84                  |             | 920              | 65                   |             | 31-137                 | 26         |             | 50                |
| 1,2,4-Trichlorobenzene   | ND                   | 1420            | 1200            | 84                  |             | 910              | 65                   |             | 38-107                 | 27         |             | 50                |
| Hexachlorobenzene  | ND                   | 1420            | 920             | 65                  |             | 690              | 49                   |             | 40-140                 | 29         |             | 50                |
| Bis(2-chloroethyl)ether  | ND                   | 1420            | 1400            | 98                  |             | 1100             | 78                   |             | 40-140                 | 24         |             | 50                |
| 2-Chloronaphthalene  | ND                   | 1420            | 1200            | 84                  |             | 930              | 66                   |             | 40-140                 | 25         |             | 50                |
| 1,2-Dichlorobenzene  | ND                   | 1420            | 1200            | 84                  |             | 960              | 68                   |             | 40-140                 | 22         |             | 50                |
| 1,3-Dichlorobenzene  | ND                   | 1420            | 1200            | 84                  |             | 900              | 64                   |             | 40-140                 | 29         |             | 50                |
| 1,4-Dichlorobenzene  | ND                   | 1420            | 1200            | 84                  |             | 910              | 65                   |             | 28-104                 | 27         |             | 50                |
| 3,3'-Dichlorobenzidine   | ND                   | 1420            | 1000            | 70                  |             | 820              | 58                   |             | 40-140                 | 20         |             | 50                |
| 2,4-Dinitrotoluene   | ND                   | 1420            | 1200            | 84                  |             | 900              | 64                   |             | 40-132                 | 29         |             | 50                |
| 2,6-Dinitrotoluene   | ND                   | 1420            | 1100            | 77                  |             | 880              | 63                   |             | 40-140                 | 22         |             | 50                |
| Fluoranthene   | 190                  | 1420            | 1800            | 110                 |             | 1200             | 72                   |             | 40-140                 | 40         |             | 50                |
| 4-Chlorophenyl phenyl ether  | ND                   | 1420            | 1000            | 70                  |             | 800              | 57                   |             | 40-140                 | 22         |             | 50                |
| 4-Bromophenyl phenyl ether   | ND                   | 1420            | 970             | 68                  |             | 750              | 53                   |             | 40-140                 | 26         |             | 50                |
| Bis(2-chloroisopropyl)ether  | ND                   | 1420            | 1300            | 91                  |             | 1000             | 71                   |             | 40-140                 | 26         |             | 50                |
| Bis(2-chloroethoxy)methane   | ND                   | 1420            | 1500            | 110                 |             | 1200             | 85                   |             | 40-117                 | 22         |             | 50                |
| Hexachlorobutadiene  | ND                   | 1420            | 970             | 68                  |             | 720              | 51                   |             | 40-140                 | 30         |             | 50                |
| Hexachlorocyclopentadiene  | ND                   | 1420            | 740             | 52                  |             | 410J             | 29                   | Q           | 40-140                 | 57         | Q           | 50                |
| Hexachloroethane   | ND                   | 1420            | 1300            | 91                  |             | 1000             | 71                   |             | 40-140                 | 26         |             | 50                |
| Isophorone   | ND                   | 1420            | 1500            | 110                 |             | 1200             | 85                   |             | 40-140                 | 22         |             | 50                |
| Naphthalene  | ND                   | 1420            | 1200            | 84                  |             | 960              | 68                   |             | 40-140                 | 22         |             | 50                |
| Nitrobenzene   | ND                   | 1420            | 1600            | 110                 |             | 1200             | 85                   |             | 40-140                 | 29         |             | 50                |
| NDPA/DPA   | ND                   | 1420            | 1200            | 84                  |             | 900              | 64                   |             | 36-157                 | 29         |             | 50                |

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2231035

**Project Number:** 3883.0001Y000

**Report Date:** 06/27/22

| <i>Parameter</i>   | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|--|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-09,11-13 QC Batch ID: WG1649496-4 WG1649496-5 QC Sample: L2231035-04<br>Client ID: SB016 (0-2) |                      |                 |                 |                     |             |                  |                      |             |                        |            |             |                   |
| n-Nitrosodi-n-propylamine  | ND                   | 1420            | 1600            | 110                 |             | 1200             | 85                   |             | 32-121                 | 29         |             | 50                |
| Bis(2-ethylhexyl)phthalate   | ND                   | 1420            | 1300            | 91                  |             | 1000             | 71                   |             | 40-140                 | 26         |             | 50                |
| Butyl benzyl phthalate   | ND                   | 1420            | 1200            | 84                  |             | 930              | 66                   |             | 40-140                 | 25         |             | 50                |
| Di-n-butylphthalate  | ND                   | 1420            | 1200            | 84                  |             | 940              | 67                   |             | 40-140                 | 24         |             | 50                |
| Di-n-octylphthalate  | ND                   | 1420            | 1200            | 84                  |             | 980              | 70                   |             | 40-140                 | 20         |             | 50                |
| Diethyl phthalate  | ND                   | 1420            | 1200            | 84                  |             | 900              | 64                   |             | 40-140                 | 29         |             | 50                |
| Dimethyl phthalate   | ND                   | 1420            | 1100            | 77                  |             | 860              | 61                   |             | 40-140                 | 24         |             | 50                |
| Benzo(a)anthracene   | 130                  | 1420            | 1500            | 96                  |             | 1100             | 69                   |             | 40-140                 | 31         |             | 50                |
| Benzo(a)pyrene   | 110J                 | 1420            | 1200            | 84                  |             | 880              | 63                   |             | 40-140                 | 31         |             | 50                |
| Benzo(b)fluoranthene   | 140                  | 1420            | 1200            | 75                  |             | 840              | 50                   |             | 40-140                 | 35         |             | 50                |
| Benzo(k)fluoranthene   | 37J                  | 1420            | 1100            | 77                  |             | 770              | 55                   |             | 40-140                 | 35         |             | 50                |
| Chrysene   | 110                  | 1420            | 1300            | 84                  |             | 950              | 60                   |             | 40-140                 | 31         |             | 50                |
| Acenaphthylene   | ND                   | 1420            | 1300            | 91                  |             | 1000             | 71                   |             | 40-140                 | 26         |             | 50                |
| Anthracene   | ND                   | 1420            | 1200            | 84                  |             | 920              | 65                   |             | 40-140                 | 26         |             | 50                |
| Benzo(ghi)perylene   | 73J                  | 1420            | 1200            | 84                  |             | 880              | 63                   |             | 40-140                 | 31         |             | 50                |
| Fluorene   | ND                   | 1420            | 1200            | 84                  |             | 930              | 66                   |             | 40-140                 | 25         |             | 50                |
| Phenanthrene   | 110                  | 1420            | 1500            | 98                  |             | 1100             | 70                   |             | 40-140                 | 31         |             | 50                |
| Dibenzo(a,h)anthracene   | 20J                  | 1420            | 1100            | 77                  |             | 840              | 60                   |             | 40-140                 | 27         |             | 50                |
| Indeno(1,2,3-cd)pyrene   | 77J                  | 1420            | 1300            | 91                  |             | 950              | 68                   |             | 40-140                 | 31         |             | 50                |
| Pyrene   | 200                  | 1420            | 1800            | 110                 |             | 1200             | 71                   |             | 35-142                 | 40         |             | 50                |
| Biphenyl   | ND                   | 1420            | 1200            | 84                  |             | 920              | 65                   |             | 37-127                 | 26         |             | 50                |
| 4-Chloroaniline  | ND                   | 1420            | 1300            | 91                  |             | 1000             | 71                   |             | 40-140                 | 26         |             | 50                |
| 2-Nitroaniline   | ND                   | 1420            | 1200            | 84                  |             | 970              | 69                   |             | 47-134                 | 21         |             | 50                |

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2231035

**Project Number:** 3883.0001Y000

**Report Date:** 06/27/22

| <i>Parameter</i>   | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|--|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-09,11-13 QC Batch ID: WG1649496-4 WG1649496-5 QC Sample: L2231035-04<br>Client ID: SB016 (0-2) |                      |                 |                 |                     |             |                  |                      |             |                        |            |             |                   |
| 3-Nitroaniline   | ND                   | 1420            | 1100            | 77                  |             | 870              | 62                   |             | 26-129                 | 23         |             | 50                |
| 4-Nitroaniline   | ND                   | 1420            | 1300            | 91                  |             | 1100             | 78                   |             | 41-125                 | 17         |             | 50                |
| Dibenzofuran   | ND                   | 1420            | 1200            | 84                  |             | 930              | 66                   |             | 40-140                 | 25         |             | 50                |
| 2-Methylnaphthalene  | ND                   | 1420            | 1200            | 84                  |             | 950              | 68                   |             | 40-140                 | 23         |             | 50                |
| 1,2,4,5-Tetrachlorobenzene   | ND                   | 1420            | 1100            | 77                  |             | 820              | 58                   |             | 40-117                 | 29         |             | 50                |
| Acetophenone   | ND                   | 1420            | 1400            | 98                  |             | 1100             | 78                   |             | 14-144                 | 24         |             | 50                |
| 2,4,6-Trichlorophenol  | ND                   | 1420            | 36J             | 3                   | Q           | ND               | 0                    | Q           | 30-130                 | NC         |             | 50                |
| p-Chloro-m-cresol  | ND                   | 1420            | 1300            | 91                  |             | 1000             | 71                   |             | 26-103                 | 26         |             | 50                |
| 2-Chlorophenol   | ND                   | 1420            | 510             | 36                  |             | 370              | 26                   |             | 25-102                 | 32         |             | 50                |
| 2,4-Dichlorophenol   | ND                   | 1420            | 440             | 31                  |             | 320              | 23                   | Q           | 30-130                 | 32         |             | 50                |
| 2,4-Dimethylphenol   | ND                   | 1420            | 1400            | 98                  |             | 1100             | 78                   |             | 30-130                 | 24         |             | 50                |
| 2-Nitrophenol  | ND                   | 1420            | 210J            | 15                  | Q           | 170J             | 12                   | Q           | 30-130                 | 21         |             | 50                |
| 4-Nitrophenol  | ND                   | 1420            | ND              | 0                   | Q           | ND               | 0                    | Q           | 11-114                 | NC         |             | 50                |
| 2,4-Dinitrophenol  | ND                   | 1420            | ND              | 0                   | Q           | ND               | 0                    | Q           | 4-130                  | NC         |             | 50                |
| 4,6-Dinitro-o-cresol   | ND                   | 1420            | ND              | 0                   | Q           | ND               | 0                    | Q           | 10-130                 | NC         |             | 50                |
| Pentachlorophenol  | ND                   | 1420            | ND              | 0                   | Q           | ND               | 0                    | Q           | 17-109                 | NC         |             | 50                |
| Phenol   | ND                   | 1420            | 1200            | 84                  |             | 880              | 63                   |             | 26-90                  | 31         |             | 50                |
| 2-Methylphenol   | ND                   | 1420            | 1400            | 98                  |             | 1100             | 78                   |             | 30-130                 | 24         |             | 50                |
| 3-Methylphenol/4-Methylphenol  | ND                   | 1420            | 1400            | 98                  |             | 1100             | 78                   |             | 30-130                 | 24         |             | 50                |
| 2,4,5-Trichlorophenol  | ND                   | 1420            | 150J            | 11                  | Q           | 120J             | 9                    | Q           | 30-130                 | 22         |             | 50                |
| Benzoic Acid   | ND                   | 1420            | ND              | 0                   | Q           | ND               | 0                    | Q           | 10-110                 | NC         |             | 50                |
| Benzyl Alcohol   | ND                   | 1420            | 1700            | 120                 |             | 1300             | 92                   |             | 40-140                 | 27         |             | 50                |
| Carbazole  | ND                   | 1420            | 1200            | 84                  |             | 960              | 68                   |             | 54-128                 | 22         |             | 50                |

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2231035

**Project Number:** 3883.0001Y000

**Report Date:** 06/27/22

| <i>Parameter</i>   | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|--|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-09,11-13 QC Batch ID: WG1649496-4 WG1649496-5 QC Sample: L2231035-04<br>Client ID: SB016 (0-2) |                      |                 |                 |                     |             |                  |                      |             |                        |            |             |                   |
| 1,4-Dioxane  | ND                   | 1420            | 870             | 61                  |             | 680              | 48                   |             | 40-140                 | 25         |             | 50                |

| <i>Surrogate</i>     | <i>MS</i>         |                  | <i>MSD</i>        |                  | <i>Acceptance Criteria</i> |
|----------------------|-------------------|------------------|-------------------|------------------|----------------------------|
|                      | <i>% Recovery</i> | <i>Qualifier</i> | <i>% Recovery</i> | <i>Qualifier</i> |                            |
| 2,4,6-Tribromophenol | 4                 | Q                | 3                 | Q                | 10-136                     |
| 2-Fluorobiphenyl     | 74                |                  | 58                |                  | 30-120                     |
| 2-Fluorophenol       | 18                | Q                | 14                | Q                | 25-120                     |
| 4-Terphenyl-d14      | 62                |                  | 47                |                  | 18-120                     |
| Nitrobenzene-d5      | 109               |                  | 86                |                  | 23-120                     |
| Phenol-d6            | 80                |                  | 62                |                  | 10-120                     |

# PCBS

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-01  
**Client ID:** FB\_061022  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 09:00  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8082A  
**Analytical Date:** 06/15/22 22:52  
**Analyst:** ER

**Extraction Method:** EPA 3510C  
**Extraction Date:** 06/14/22 20:10  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 06/15/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 06/15/22

| Parameter  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| <b>Polychlorinated Biphenyls by GC - Westborough Lab</b> |        |           |       |       |       |                 |        |
| Aroclor 1016   | ND     |           | ug/l  | 0.071 | 0.061 | 1               | A      |
| Aroclor 1221   | ND     |           | ug/l  | 0.071 | 0.061 | 1               | A      |
| Aroclor 1232   | ND     |           | ug/l  | 0.071 | 0.061 | 1               | A      |
| Aroclor 1242   | ND     |           | ug/l  | 0.071 | 0.061 | 1               | A      |
| Aroclor 1248   | ND     |           | ug/l  | 0.071 | 0.061 | 1               | A      |
| Aroclor 1254   | ND     |           | ug/l  | 0.071 | 0.061 | 1               | A      |
| Aroclor 1260   | ND     |           | ug/l  | 0.071 | 0.061 | 1               | A      |
| Aroclor 1262   | ND     |           | ug/l  | 0.071 | 0.061 | 1               | A      |
| Aroclor 1268   | ND     |           | ug/l  | 0.071 | 0.061 | 1               | A      |
| PCBs, Total  | ND     |           | ug/l  | 0.071 | 0.061 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 83         |           | 30-150              | A      |
| Decachlorobiphenyl           | 83         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 82         |           | 30-150              | B      |
| Decachlorobiphenyl           | 87         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-02  
**Client ID:** SB017 (0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 09:20  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 06/13/22 13:26  
**Analyst:** JM  
**Percent Solids:** 92%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/12/22 05:34  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 06/13/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 06/13/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Polychlorinated Biphenyls by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Aroclor 1016   | ND     |           | ug/kg | 36.0 | 3.19 | 1               | A      |
| Aroclor 1221   | ND     |           | ug/kg | 36.0 | 3.60 | 1               | A      |
| Aroclor 1232   | ND     |           | ug/kg | 36.0 | 7.62 | 1               | A      |
| Aroclor 1242   | ND     |           | ug/kg | 36.0 | 4.85 | 1               | A      |
| Aroclor 1248   | ND     |           | ug/kg | 36.0 | 5.40 | 1               | A      |
| Aroclor 1254   | ND     |           | ug/kg | 36.0 | 3.93 | 1               | A      |
| Aroclor 1260   | ND     |           | ug/kg | 36.0 | 6.65 | 1               | A      |
| Aroclor 1262   | ND     |           | ug/kg | 36.0 | 4.57 | 1               | A      |
| Aroclor 1268   | ND     |           | ug/kg | 36.0 | 3.73 | 1               | A      |
| PCBs, Total  | ND     |           | ug/kg | 36.0 | 3.19 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 69         |           | 30-150              | A      |
| Decachlorobiphenyl           | 64         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 66         |           | 30-150              | B      |
| Decachlorobiphenyl           | 61         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-03  
**Client ID:** SB017 (2-4)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 09:30  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 06/13/22 13:34  
**Analyst:** JM  
**Percent Solids:** 93%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/12/22 05:34  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 06/13/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 06/13/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Polychlorinated Biphenyls by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Aroclor 1016   | ND     |           | ug/kg | 35.2 | 3.13 | 1               | A      |
| Aroclor 1221   | ND     |           | ug/kg | 35.2 | 3.53 | 1               | A      |
| Aroclor 1232   | ND     |           | ug/kg | 35.2 | 7.47 | 1               | A      |
| Aroclor 1242   | ND     |           | ug/kg | 35.2 | 4.75 | 1               | A      |
| Aroclor 1248   | ND     |           | ug/kg | 35.2 | 5.28 | 1               | A      |
| Aroclor 1254   | ND     |           | ug/kg | 35.2 | 3.85 | 1               | A      |
| Aroclor 1260   | 20.8   | J         | ug/kg | 35.2 | 6.51 | 1               | A      |
| Aroclor 1262   | ND     |           | ug/kg | 35.2 | 4.47 | 1               | A      |
| Aroclor 1268   | ND     |           | ug/kg | 35.2 | 3.65 | 1               | A      |
| PCBs, Total  | 20.8   | J         | ug/kg | 35.2 | 3.13 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 61         |           | 30-150              | A      |
| Decachlorobiphenyl           | 58         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 61         |           | 30-150              | B      |
| Decachlorobiphenyl           | 57         |           | 30-150              | B      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-04  
**Client ID:** SB016 (0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 10:00  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 06/13/22 13:02  
**Analyst:** JM  
**Percent Solids:** 93%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/12/22 05:34  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 06/13/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 06/13/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Polychlorinated Biphenyls by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Aroclor 1016   | ND     |           | ug/kg | 35.4 | 3.14 | 1               | A      |
| Aroclor 1221   | ND     |           | ug/kg | 35.4 | 3.55 | 1               | A      |
| Aroclor 1232   | ND     |           | ug/kg | 35.4 | 7.50 | 1               | A      |
| Aroclor 1242   | ND     |           | ug/kg | 35.4 | 4.77 | 1               | A      |
| Aroclor 1248   | ND     |           | ug/kg | 35.4 | 5.31 | 1               | A      |
| Aroclor 1254   | ND     |           | ug/kg | 35.4 | 3.87 | 1               | A      |
| Aroclor 1260   | ND     |           | ug/kg | 35.4 | 6.54 | 1               | A      |
| Aroclor 1262   | ND     |           | ug/kg | 35.4 | 4.50 | 1               | A      |
| Aroclor 1268   | ND     |           | ug/kg | 35.4 | 3.67 | 1               | A      |
| PCBs, Total  | ND     |           | ug/kg | 35.4 | 3.14 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 64         |           | 30-150              | A      |
| Decachlorobiphenyl           | 60         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 63         |           | 30-150              | B      |
| Decachlorobiphenyl           | 58         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-05  
**Client ID:** SB016 (2-4)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 10:10  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 06/13/22 13:42  
**Analyst:** JM  
**Percent Solids:** 90%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/12/22 05:34  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 06/13/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 06/13/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Polychlorinated Biphenyls by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Aroclor 1016   | ND     |           | ug/kg | 35.8 | 3.18 | 1               | A      |
| Aroclor 1221   | ND     |           | ug/kg | 35.8 | 3.59 | 1               | A      |
| Aroclor 1232   | ND     |           | ug/kg | 35.8 | 7.59 | 1               | A      |
| Aroclor 1242   | ND     |           | ug/kg | 35.8 | 4.82 | 1               | A      |
| Aroclor 1248   | ND     |           | ug/kg | 35.8 | 5.37 | 1               | A      |
| Aroclor 1254   | ND     |           | ug/kg | 35.8 | 3.92 | 1               | A      |
| Aroclor 1260   | ND     |           | ug/kg | 35.8 | 6.61 | 1               | A      |
| Aroclor 1262   | ND     |           | ug/kg | 35.8 | 4.54 | 1               | A      |
| Aroclor 1268   | ND     |           | ug/kg | 35.8 | 3.71 | 1               | A      |
| PCBs, Total  | ND     |           | ug/kg | 35.8 | 3.18 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 64         |           | 30-150              | A      |
| Decachlorobiphenyl           | 60         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 63         |           | 30-150              | B      |
| Decachlorobiphenyl           | 57         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-06  
**Client ID:** SB012 (0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 11:30  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 06/13/22 13:50  
**Analyst:** JM  
**Percent Solids:** 95%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/12/22 05:34  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 06/13/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 06/13/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Polychlorinated Biphenyls by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Aroclor 1016   | ND     |           | ug/kg | 34.4 | 3.06 | 1               | A      |
| Aroclor 1221   | ND     |           | ug/kg | 34.4 | 3.45 | 1               | A      |
| Aroclor 1232   | ND     |           | ug/kg | 34.4 | 7.30 | 1               | A      |
| Aroclor 1242   | ND     |           | ug/kg | 34.4 | 4.64 | 1               | A      |
| Aroclor 1248   | ND     |           | ug/kg | 34.4 | 5.16 | 1               | A      |
| Aroclor 1254   | ND     |           | ug/kg | 34.4 | 3.77 | 1               | A      |
| Aroclor 1260   | ND     |           | ug/kg | 34.4 | 6.36 | 1               | A      |
| Aroclor 1262   | ND     |           | ug/kg | 34.4 | 4.37 | 1               | A      |
| Aroclor 1268   | ND     |           | ug/kg | 34.4 | 3.57 | 1               | A      |
| PCBs, Total  | ND     |           | ug/kg | 34.4 | 3.06 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 66         |           | 30-150              | A      |
| Decachlorobiphenyl           | 59         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 65         |           | 30-150              | B      |
| Decachlorobiphenyl           | 56         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-07  
**Client ID:** DUP\_061022  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 12:00  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 06/13/22 13:58  
**Analyst:** JM  
**Percent Solids:** 89%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/12/22 05:34  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 06/13/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 06/13/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Polychlorinated Biphenyls by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Aroclor 1016   | ND     |           | ug/kg | 36.5 | 3.24 | 1               | A      |
| Aroclor 1221   | ND     |           | ug/kg | 36.5 | 3.66 | 1               | A      |
| Aroclor 1232   | ND     |           | ug/kg | 36.5 | 7.74 | 1               | A      |
| Aroclor 1242   | ND     |           | ug/kg | 36.5 | 4.92 | 1               | A      |
| Aroclor 1248   | ND     |           | ug/kg | 36.5 | 5.48 | 1               | A      |
| Aroclor 1254   | ND     |           | ug/kg | 36.5 | 3.99 | 1               | A      |
| Aroclor 1260   | 9.08   | J         | ug/kg | 36.5 | 6.74 | 1               | B      |
| Aroclor 1262   | ND     |           | ug/kg | 36.5 | 4.64 | 1               | A      |
| Aroclor 1268   | ND     |           | ug/kg | 36.5 | 3.78 | 1               | A      |
| PCBs, Total  | 9.08   | J         | ug/kg | 36.5 | 3.24 | 1               | B      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 66         |           | 30-150              | A      |
| Decachlorobiphenyl           | 60         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 67         |           | 30-150              | B      |
| Decachlorobiphenyl           | 61         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-08  
**Client ID:** SB012 (12-14)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 12:30  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 06/13/22 14:06  
**Analyst:** JM  
**Percent Solids:** 93%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/12/22 05:34  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 06/13/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 06/13/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Polychlorinated Biphenyls by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Aroclor 1016   | ND     |           | ug/kg | 34.2 | 3.04 | 1               | A      |
| Aroclor 1221   | ND     |           | ug/kg | 34.2 | 3.42 | 1               | A      |
| Aroclor 1232   | ND     |           | ug/kg | 34.2 | 7.25 | 1               | A      |
| Aroclor 1242   | ND     |           | ug/kg | 34.2 | 4.61 | 1               | A      |
| Aroclor 1248   | ND     |           | ug/kg | 34.2 | 5.13 | 1               | A      |
| Aroclor 1254   | ND     |           | ug/kg | 34.2 | 3.74 | 1               | A      |
| Aroclor 1260   | ND     |           | ug/kg | 34.2 | 6.32 | 1               | A      |
| Aroclor 1262   | ND     |           | ug/kg | 34.2 | 4.34 | 1               | A      |
| Aroclor 1268   | ND     |           | ug/kg | 34.2 | 3.54 | 1               | A      |
| PCBs, Total  | ND     |           | ug/kg | 34.2 | 3.04 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 65         |           | 30-150              | A      |
| Decachlorobiphenyl           | 60         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 63         |           | 30-150              | B      |
| Decachlorobiphenyl           | 60         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-09  
**Client ID:** SB012 (15-17)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 12:40  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 06/13/22 14:14  
**Analyst:** JM  
**Percent Solids:** 97%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/12/22 05:34  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 06/13/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 06/13/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Polychlorinated Biphenyls by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Aroclor 1016   | ND     |           | ug/kg | 33.1 | 2.94 | 1               | A      |
| Aroclor 1221   | ND     |           | ug/kg | 33.1 | 3.31 | 1               | A      |
| Aroclor 1232   | ND     |           | ug/kg | 33.1 | 7.01 | 1               | A      |
| Aroclor 1242   | ND     |           | ug/kg | 33.1 | 4.46 | 1               | A      |
| Aroclor 1248   | ND     |           | ug/kg | 33.1 | 4.96 | 1               | A      |
| Aroclor 1254   | ND     |           | ug/kg | 33.1 | 3.62 | 1               | A      |
| Aroclor 1260   | ND     |           | ug/kg | 33.1 | 6.11 | 1               | A      |
| Aroclor 1262   | ND     |           | ug/kg | 33.1 | 4.20 | 1               | A      |
| Aroclor 1268   | ND     |           | ug/kg | 33.1 | 3.42 | 1               | A      |
| PCBs, Total  | ND     |           | ug/kg | 33.1 | 2.94 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 70         |           | 30-150              | A      |
| Decachlorobiphenyl           | 63         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 69         |           | 30-150              | B      |
| Decachlorobiphenyl           | 58         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-11  
**Client ID:** SB013 (0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 14:10  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 06/13/22 14:21  
**Analyst:** JM  
**Percent Solids:** 90%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/12/22 05:34  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 06/13/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 06/13/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Polychlorinated Biphenyls by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Aroclor 1016   | ND     |           | ug/kg | 36.8 | 3.27 | 1               | A      |
| Aroclor 1221   | ND     |           | ug/kg | 36.8 | 3.69 | 1               | A      |
| Aroclor 1232   | ND     |           | ug/kg | 36.8 | 7.80 | 1               | A      |
| Aroclor 1242   | ND     |           | ug/kg | 36.8 | 4.96 | 1               | A      |
| Aroclor 1248   | ND     |           | ug/kg | 36.8 | 5.52 | 1               | A      |
| Aroclor 1254   | ND     |           | ug/kg | 36.8 | 4.02 | 1               | A      |
| Aroclor 1260   | 16.1   | J         | ug/kg | 36.8 | 6.80 | 1               | A      |
| Aroclor 1262   | ND     |           | ug/kg | 36.8 | 4.67 | 1               | A      |
| Aroclor 1268   | 5.47   | J         | ug/kg | 36.8 | 3.81 | 1               | A      |
| PCBs, Total  | 21.6   | J         | ug/kg | 36.8 | 3.27 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 61         |           | 30-150              | A      |
| Decachlorobiphenyl           | 56         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 60         |           | 30-150              | B      |
| Decachlorobiphenyl           | 53         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-12  
**Client ID:** SB013 (6-8)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 14:40  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 06/13/22 14:29  
**Analyst:** JM  
**Percent Solids:** 93%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/12/22 05:34  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 06/13/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 06/13/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Polychlorinated Biphenyls by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Aroclor 1016   | ND     |           | ug/kg | 35.0 | 3.10 | 1               | A      |
| Aroclor 1221   | ND     |           | ug/kg | 35.0 | 3.50 | 1               | A      |
| Aroclor 1232   | ND     |           | ug/kg | 35.0 | 7.41 | 1               | A      |
| Aroclor 1242   | ND     |           | ug/kg | 35.0 | 4.71 | 1               | A      |
| Aroclor 1248   | ND     |           | ug/kg | 35.0 | 5.24 | 1               | A      |
| Aroclor 1254   | ND     |           | ug/kg | 35.0 | 3.82 | 1               | A      |
| Aroclor 1260   | 24.4   | J         | ug/kg | 35.0 | 6.46 | 1               | A      |
| Aroclor 1262   | ND     |           | ug/kg | 35.0 | 4.44 | 1               | A      |
| Aroclor 1268   | ND     |           | ug/kg | 35.0 | 3.62 | 1               | A      |
| PCBs, Total  | 24.4   | J         | ug/kg | 35.0 | 3.10 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 60         |           | 30-150              | A      |
| Decachlorobiphenyl           | 57         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 58         |           | 30-150              | B      |
| Decachlorobiphenyl           | 54         |           | 30-150              | B      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-13  
**Client ID:** SB013 (10-12)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 14:55  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 06/13/22 14:37  
**Analyst:** JM  
**Percent Solids:** 93%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/12/22 05:40  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 06/13/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 06/13/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Polychlorinated Biphenyls by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Aroclor 1016   | ND     |           | ug/kg | 34.2 | 3.04 | 1               | A      |
| Aroclor 1221   | ND     |           | ug/kg | 34.2 | 3.43 | 1               | A      |
| Aroclor 1232   | ND     |           | ug/kg | 34.2 | 7.26 | 1               | A      |
| Aroclor 1242   | ND     |           | ug/kg | 34.2 | 4.62 | 1               | A      |
| Aroclor 1248   | ND     |           | ug/kg | 34.2 | 5.14 | 1               | A      |
| Aroclor 1254   | ND     |           | ug/kg | 34.2 | 3.75 | 1               | A      |
| Aroclor 1260   | 147    |           | ug/kg | 34.2 | 6.33 | 1               | B      |
| Aroclor 1262   | ND     |           | ug/kg | 34.2 | 4.35 | 1               | A      |
| Aroclor 1268   | ND     |           | ug/kg | 34.2 | 3.55 | 1               | A      |
| PCBs, Total  | 147    |           | ug/kg | 34.2 | 3.04 | 1               | B      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 60         |           | 30-150              | A      |
| Decachlorobiphenyl           | 63         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 59         |           | 30-150              | B      |
| Decachlorobiphenyl           | 59         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8082A  
Analytical Date: 06/13/22 12:39  
Analyst: JM

Extraction Method: EPA 3546  
Extraction Date: 06/12/22 05:34  
Cleanup Method: EPA 3665A  
Cleanup Date: 06/13/22  
Cleanup Method: EPA 3660B  
Cleanup Date: 06/13/22

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Column |
|---|--------|-----------|-------|------|------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02-09,11-13 Batch: WG1649505-1 |        |           |       |      |      |        |
| Aroclor 1016  | ND     |           | ug/kg | 32.2 | 2.86 | A      |
| Aroclor 1221  | ND     |           | ug/kg | 32.2 | 3.22 | A      |
| Aroclor 1232  | ND     |           | ug/kg | 32.2 | 6.82 | A      |
| Aroclor 1242  | ND     |           | ug/kg | 32.2 | 4.33 | A      |
| Aroclor 1248  | ND     |           | ug/kg | 32.2 | 4.82 | A      |
| Aroclor 1254  | ND     |           | ug/kg | 32.2 | 3.52 | A      |
| Aroclor 1260  | ND     |           | ug/kg | 32.2 | 5.94 | A      |
| Aroclor 1262  | ND     |           | ug/kg | 32.2 | 4.08 | A      |
| Aroclor 1268  | ND     |           | ug/kg | 32.2 | 3.33 | A      |
| PCBs, Total   | ND     |           | ug/kg | 32.2 | 2.86 | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 63        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 60        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 61        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 58        |           | 30-150                 | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8082A  
Analytical Date: 06/15/22 22:25  
Analyst: ER

Extraction Method: EPA 3510C  
Extraction Date: 06/14/22 20:10  
Cleanup Method: EPA 3665A  
Cleanup Date: 06/15/22  
Cleanup Method: EPA 3660B  
Cleanup Date: 06/15/22

| Parameter  | Result | Qualifier | Units | RL    | MDL   | Column |
|--|--------|-----------|-------|-------|-------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1650576-1 |        |           |       |       |       |        |
| Aroclor 1016   | ND     |           | ug/l  | 0.071 | 0.061 | A      |
| Aroclor 1221   | ND     |           | ug/l  | 0.071 | 0.061 | A      |
| Aroclor 1232   | ND     |           | ug/l  | 0.071 | 0.061 | A      |
| Aroclor 1242   | ND     |           | ug/l  | 0.071 | 0.061 | A      |
| Aroclor 1248   | ND     |           | ug/l  | 0.071 | 0.061 | A      |
| Aroclor 1254   | ND     |           | ug/l  | 0.071 | 0.061 | A      |
| Aroclor 1260   | ND     |           | ug/l  | 0.071 | 0.061 | A      |
| Aroclor 1262   | ND     |           | ug/l  | 0.071 | 0.061 | A      |
| Aroclor 1268   | ND     |           | ug/l  | 0.071 | 0.061 | A      |
| PCBs, Total  | ND     |           | ug/l  | 0.071 | 0.061 | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 88        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 99        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 86        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 100       |           | 30-150                 | B      |

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02-09,11-13 Batch: WG1649505-2 WG1649505-3 |                  |      |                   |      |                     |     |      |               |        |
| Aroclor 1016   | 74               |      | 76                |      | 40-140              | 3   |      | 50            | A      |
| Aroclor 1260   | 72               |      | 73                |      | 40-140              | 1   |      | 50            | A      |

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 74               |      | 78                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 68               |      | 71                |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 72               |      | 76                |      | 30-150                 | B      |
| Decachlorobiphenyl           | 68               |      | 71                |      | 30-150                 | B      |

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1650576-2 WG1650576-3 |                  |      |                   |      |                     |     |      |               |        |
| Aroclor 1016  | 77               |      | 82                |      | 40-140              | 7   |      | 50            | A      |
| Aroclor 1260  | 81               |      | 85                |      | 40-140              | 5   |      | 50            | A      |

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 84               |      | 87                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 92               |      | 97                |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 81               |      | 84                |      | 30-150                 | B      |
| Decachlorobiphenyl           | 96               |      | 100               |      | 30-150                 | B      |

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2231035

**Project Number:** 3883.0001Y000

**Report Date:** 06/27/22

| <i>Parameter</i>  | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> | <i>Column</i> |
|---|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|---------------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02-09,11-13 QC Batch ID: WG1649505-4 WG1649505-5 QC Sample: L2231035-04<br>Client ID: SB016 (0-2) |                      |                 |                 |                     |             |                  |                      |             |                        |            |             |                   |               |
| Aroclor 1016  | ND                   | 219             | 150             | 69                  |             | 149              | 70                   |             | 40-140                 | 1          |             | 50                | A             |
| Aroclor 1260  | ND                   | 219             | 146             | 67                  |             | 142              | 67                   |             | 40-140                 | 3          |             | 50                | A             |

| <i>Surrogate</i>             | <i>MS</i>         |                  | <i>MSD</i>        |                  | <i>Acceptance Criteria</i> | <i>Column</i> |
|------------------------------|-------------------|------------------|-------------------|------------------|----------------------------|---------------|
|                              | <i>% Recovery</i> | <i>Qualifier</i> | <i>% Recovery</i> | <i>Qualifier</i> |                            |               |
| 2,4,5,6-Tetrachloro-m-xylene | 71                |                  | 71                |                  | 30-150                     | A             |
| Decachlorobiphenyl           | 66                |                  | 66                |                  | 30-150                     | A             |
| 2,4,5,6-Tetrachloro-m-xylene | 69                |                  | 69                |                  | 30-150                     | B             |
| Decachlorobiphenyl           | 63                |                  | 63                |                  | 30-150                     | B             |

# PESTICIDES

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-01  
 Client ID: FB\_061022  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 09:00  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8081B  
 Analytical Date: 06/16/22 13:24  
 Analyst: AR

Extraction Method: EPA 3510C  
 Extraction Date: 06/15/22 23:36

| Parameter  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| <b>Organochlorine Pesticides by GC - Westborough Lab</b> |        |           |       |       |       |                 |        |
| Delta-BHC  | ND     |           | ug/l  | 0.014 | 0.003 | 1               | A      |
| Lindane  | ND     |           | ug/l  | 0.014 | 0.003 | 1               | A      |
| Alpha-BHC  | ND     |           | ug/l  | 0.014 | 0.003 | 1               | A      |
| Beta-BHC   | ND     |           | ug/l  | 0.014 | 0.004 | 1               | A      |
| Heptachlor   | ND     |           | ug/l  | 0.014 | 0.002 | 1               | A      |
| Aldrin   | ND     |           | ug/l  | 0.014 | 0.002 | 1               | A      |
| Heptachlor epoxide                                       | ND     |           | ug/l  | 0.014 | 0.003 | 1               | A      |
| Endrin   | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| Endrin aldehyde  | ND     |           | ug/l  | 0.029 | 0.006 | 1               | A      |
| Endrin ketone  | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| Dieldrin   | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| 4,4'-DDE   | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| 4,4'-DDD   | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| 4,4'-DDT   | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| Endosulfan I   | ND     |           | ug/l  | 0.014 | 0.002 | 1               | A      |
| Endosulfan II  | ND     |           | ug/l  | 0.029 | 0.004 | 1               | A      |
| Endosulfan sulfate                                       | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| Methoxychlor   | ND     |           | ug/l  | 0.143 | 0.005 | 1               | A      |
| Toxaphene  | ND     |           | ug/l  | 0.143 | 0.045 | 1               | A      |
| cis-Chlordane  | ND     |           | ug/l  | 0.014 | 0.005 | 1               | A      |
| trans-Chlordane  | ND     |           | ug/l  | 0.014 | 0.004 | 1               | A      |
| Chlordane  | ND     |           | ug/l  | 0.143 | 0.033 | 1               | A      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-01  
**Client ID:** FB\_061022  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 09:00  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|----|-----|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |    |     |                 |        |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 65         |           | 30-150              | A      |
| Decachlorobiphenyl           | 68         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 59         |           | 30-150              | B      |
| Decachlorobiphenyl           | 81         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-01  
**Client ID:** FB\_061022  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 09:00  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8151A  
**Analytical Date:** 06/16/22 08:58  
**Analyst:** AKM

**Extraction Method:** EPA 8151A  
**Extraction Date:** 06/15/22 05:01

**Methylation Date:** 06/15/22 12:58

| Parameter   | Result | Qualifier | Units | RL   | MDL   | Dilution Factor | Column |
|---|--------|-----------|-------|------|-------|-----------------|--------|
| <b>Chlorinated Herbicides by GC - Westborough Lab</b> |        |           |       |      |       |                 |        |
| MCPP  | ND     |           | ug/l  | 500  | 58.5  | 1               | A      |
| MCPA  | ND     |           | ug/l  | 500  | 63.2  | 1               | A      |
| Dalapon   | ND     |           | ug/l  | 20.0 | 0.810 | 1               | A      |
| Dicamba   | ND     |           | ug/l  | 1.00 | 0.243 | 1               | A      |
| Dichloroprop  | ND     |           | ug/l  | 10.0 | 0.564 | 1               | A      |
| 2,4-D   | ND     |           | ug/l  | 10.0 | 0.498 | 1               | A      |
| 2,4-DB  | ND     |           | ug/l  | 10.0 | 0.729 | 1               | A      |
| 2,4,5-T   | ND     |           | ug/l  | 2.00 | 0.531 | 1               | A      |
| 2,4,5-TP (Silvex)                                     | ND     |           | ug/l  | 2.00 | 0.539 | 1               | A      |
| Dinoseb   | ND     |           | ug/l  | 5.00 | 0.573 | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 102        |           | 30-150              | A      |
| DCAA      | 92         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-02  
**Client ID:** SB017 (0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 09:20  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 06/13/22 18:01  
**Analyst:** EJL  
**Percent Solids:** 92%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/12/22 07:21  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 06/13/22

| Parameter  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| <b>Organochlorine Pesticides by GC - Westborough Lab</b> |        |           |       |       |       |                 |        |
| Delta-BHC  | ND     |           | ug/kg | 1.65  | 0.323 | 1               | B      |
| Lindane  | ND     |           | ug/kg | 0.688 | 0.308 | 1               | B      |
| Alpha-BHC  | ND     |           | ug/kg | 0.688 | 0.195 | 1               | B      |
| Beta-BHC   | ND     |           | ug/kg | 1.65  | 0.626 | 1               | B      |
| Heptachlor   | ND     |           | ug/kg | 0.826 | 0.370 | 1               | B      |
| Aldrin   | ND     |           | ug/kg | 1.65  | 0.581 | 1               | B      |
| Heptachlor epoxide                                       | ND     |           | ug/kg | 3.10  | 0.929 | 1               | B      |
| Endrin   | ND     |           | ug/kg | 0.688 | 0.282 | 1               | B      |
| Endrin aldehyde  | ND     |           | ug/kg | 2.06  | 0.722 | 1               | B      |
| Endrin ketone  | ND     |           | ug/kg | 1.65  | 0.425 | 1               | B      |
| Dieldrin   | ND     |           | ug/kg | 1.03  | 0.516 | 1               | B      |
| 4,4'-DDE   | 1.29   | JP        | ug/kg | 1.65  | 0.382 | 1               | B      |
| 4,4'-DDD   | ND     |           | ug/kg | 1.65  | 0.589 | 1               | B      |
| 4,4'-DDT   | ND     |           | ug/kg | 3.10  | 1.33  | 1               | B      |
| Endosulfan I   | ND     |           | ug/kg | 1.65  | 0.390 | 1               | B      |
| Endosulfan II  | ND     |           | ug/kg | 1.65  | 0.552 | 1               | B      |
| Endosulfan sulfate                                       | ND     |           | ug/kg | 0.688 | 0.327 | 1               | B      |
| Methoxychlor   | ND     |           | ug/kg | 3.10  | 0.963 | 1               | B      |
| Toxaphene  | ND     |           | ug/kg | 31.0  | 8.67  | 1               | B      |
| cis-Chlordane  | ND     |           | ug/kg | 2.06  | 0.575 | 1               | B      |
| trans-Chlordane  | ND     |           | ug/kg | 2.06  | 0.545 | 1               | B      |
| Chlordane  | ND     |           | ug/kg | 13.8  | 5.47  | 1               | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-02  
 Client ID: SB017 (0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 09:20  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|-----------|--------|-----------|-------|----|-----|-----------------|--------|
|-----------|--------|-----------|-------|----|-----|-----------------|--------|

## Organochlorine Pesticides by GC - Westborough Lab

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 13         | Q         | 30-150              | A      |
| Decachlorobiphenyl           | 13         | Q         | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 62         |           | 30-150              | B      |
| Decachlorobiphenyl           | 72         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-02  
**Client ID:** SB017 (0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 09:20  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8151A  
**Analytical Date:** 06/16/22 12:59  
**Analyst:** AKM  
**Percent Solids:** 92%  
**Methylation Date:** 06/15/22 23:34

**Extraction Method:** EPA 8151A  
**Extraction Date:** 06/15/22 05:44

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---|--------|-----------|-------|------|------|-----------------|--------|
| <b>Chlorinated Herbicides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| MCPP  | ND     |           | ug/kg | 3570 | 1120 | 1               | A      |
| MCPA  | ND     |           | ug/kg | 3570 | 1010 | 1               | A      |
| Dalapon   | ND     |           | ug/kg | 35.7 | 11.7 | 1               | A      |
| Dicamba   | ND     |           | ug/kg | 35.7 | 5.99 | 1               | A      |
| Dichloroprop  | ND     |           | ug/kg | 35.7 | 10.2 | 1               | A      |
| 2,4-D   | ND     |           | ug/kg | 178  | 11.2 | 1               | A      |
| 2,4-DB  | ND     |           | ug/kg | 178  | 9.17 | 1               | A      |
| 2,4,5-T   | ND     |           | ug/kg | 178  | 5.53 | 1               | A      |
| 2,4,5-TP (Silvex)                                     | ND     |           | ug/kg | 178  | 4.74 | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 99         |           | 30-150              | A      |
| DCAA      | 96         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-03  
**Client ID:** SB017 (2-4)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 09:30  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 06/13/22 18:12  
**Analyst:** EJL  
**Percent Solids:** 93%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/12/22 07:21  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 06/13/22

| Parameter  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| <b>Organochlorine Pesticides by GC - Westborough Lab</b> |        |           |       |       |       |                 |        |
| Delta-BHC  | ND     |           | ug/kg | 1.64  | 0.321 | 1               | A      |
| Lindane  | ND     |           | ug/kg | 0.684 | 0.306 | 1               | A      |
| Alpha-BHC  | ND     |           | ug/kg | 0.684 | 0.194 | 1               | A      |
| Beta-BHC   | ND     |           | ug/kg | 1.64  | 0.622 | 1               | A      |
| Heptachlor   | ND     |           | ug/kg | 0.821 | 0.368 | 1               | A      |
| Aldrin   | ND     |           | ug/kg | 1.64  | 0.578 | 1               | A      |
| Heptachlor epoxide                                       | ND     |           | ug/kg | 3.08  | 0.923 | 1               | A      |
| Endrin   | ND     |           | ug/kg | 0.684 | 0.280 | 1               | A      |
| Endrin aldehyde  | ND     |           | ug/kg | 2.05  | 0.718 | 1               | A      |
| Endrin ketone  | ND     |           | ug/kg | 1.64  | 0.423 | 1               | A      |
| Dieldrin   | ND     |           | ug/kg | 1.02  | 0.513 | 1               | A      |
| 4,4'-DDE   | 4.69   |           | ug/kg | 1.64  | 0.380 | 1               | A      |
| 4,4'-DDD   | ND     |           | ug/kg | 1.64  | 0.585 | 1               | A      |
| 4,4'-DDT   | 12.7   |           | ug/kg | 3.08  | 1.32  | 1               | B      |
| Endosulfan I   | ND     |           | ug/kg | 1.64  | 0.388 | 1               | A      |
| Endosulfan II  | ND     |           | ug/kg | 1.64  | 0.548 | 1               | A      |
| Endosulfan sulfate                                       | ND     |           | ug/kg | 0.684 | 0.326 | 1               | A      |
| Methoxychlor   | ND     |           | ug/kg | 3.08  | 0.957 | 1               | A      |
| Toxaphene  | ND     |           | ug/kg | 30.8  | 8.62  | 1               | A      |
| cis-Chlordane  | ND     |           | ug/kg | 2.05  | 0.572 | 1               | A      |
| trans-Chlordane  | ND     |           | ug/kg | 2.05  | 0.542 | 1               | A      |
| Chlordane  | ND     |           | ug/kg | 13.7  | 5.44  | 1               | A      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-03  
 Client ID: SB017 (2-4)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 09:30  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|----|-----|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |    |     |                 |        |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 57         |           | 30-150              | A      |
| Decachlorobiphenyl           | 69         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 59         |           | 30-150              | B      |
| Decachlorobiphenyl           | 86         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-03  
 Client ID: SB017 (2-4)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 09:30  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 06/16/22 13:18  
 Analyst: AKM  
 Percent Solids: 93%  
 Methylation Date: 06/15/22 23:34

Extraction Method: EPA 8151A  
 Extraction Date: 06/15/22 05:44

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---|--------|-----------|-------|------|------|-----------------|--------|
| <b>Chlorinated Herbicides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| MCPP  | ND     |           | ug/kg | 3480 | 1100 | 1               | A      |
| MCPA  | ND     |           | ug/kg | 3480 | 985. | 1               | A      |
| Dalapon   | ND     |           | ug/kg | 34.8 | 11.4 | 1               | A      |
| Dicamba   | ND     |           | ug/kg | 34.8 | 5.85 | 1               | A      |
| Dichloroprop  | ND     |           | ug/kg | 34.8 | 9.99 | 1               | A      |
| 2,4-D   | ND     |           | ug/kg | 174  | 11.0 | 1               | A      |
| 2,4-DB  | ND     |           | ug/kg | 174  | 8.95 | 1               | A      |
| 2,4,5-T   | ND     |           | ug/kg | 174  | 5.40 | 1               | A      |
| 2,4,5-TP (Silvex)                                     | ND     |           | ug/kg | 174  | 4.63 | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 105        |           | 30-150              | A      |
| DCAA      | 105        |           | 30-150              | B      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-04  
**Client ID:** SB016 (0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 10:00  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 06/13/22 18:23  
**Analyst:** EJL  
**Percent Solids:** 93%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/12/22 07:21  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 06/13/22

| Parameter  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| <b>Organochlorine Pesticides by GC - Westborough Lab</b> |        |           |       |       |       |                 |        |
| Delta-BHC  | ND     |           | ug/kg | 1.65  | 0.324 | 1               | A      |
| Lindane  | ND     |           | ug/kg | 0.689 | 0.308 | 1               | A      |
| Alpha-BHC  | ND     |           | ug/kg | 0.689 | 0.196 | 1               | A      |
| Beta-BHC   | ND     |           | ug/kg | 1.65  | 0.627 | 1               | A      |
| Heptachlor   | ND     |           | ug/kg | 0.827 | 0.371 | 1               | A      |
| Aldrin   | ND     |           | ug/kg | 1.65  | 0.582 | 1               | A      |
| Heptachlor epoxide                                       | ND     |           | ug/kg | 3.10  | 0.931 | 1               | A      |
| Endrin   | ND     |           | ug/kg | 0.689 | 0.283 | 1               | A      |
| Endrin aldehyde  | ND     |           | ug/kg | 2.07  | 0.724 | 1               | A      |
| Endrin ketone  | ND     |           | ug/kg | 1.65  | 0.426 | 1               | A      |
| Dieldrin   | ND     |           | ug/kg | 1.03  | 0.517 | 1               | A      |
| 4,4'-DDE   | 1.40   | J         | ug/kg | 1.65  | 0.383 | 1               | B      |
| 4,4'-DDD   | ND     |           | ug/kg | 1.65  | 0.590 | 1               | A      |
| 4,4'-DDT   | 3.74   | P         | ug/kg | 3.10  | 1.33  | 1               | B      |
| Endosulfan I   | ND     |           | ug/kg | 1.65  | 0.391 | 1               | A      |
| Endosulfan II  | ND     |           | ug/kg | 1.65  | 0.553 | 1               | A      |
| Endosulfan sulfate                                       | ND     |           | ug/kg | 0.689 | 0.328 | 1               | A      |
| Methoxychlor   | ND     |           | ug/kg | 3.10  | 0.965 | 1               | A      |
| Toxaphene  | ND     |           | ug/kg | 31.0  | 8.69  | 1               | A      |
| cis-Chlordane  | ND     |           | ug/kg | 2.07  | 0.576 | 1               | B      |
| trans-Chlordane  | 0.562  | J         | ug/kg | 2.07  | 0.546 | 1               | B      |
| Chlordane  | ND     |           | ug/kg | 13.8  | 5.48  | 1               | A      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-04  
 Client ID: SB016 (0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 10:00  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|----|-----|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |    |     |                 |        |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 75         |           | 30-150              | A      |
| Decachlorobiphenyl           | 84         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 70         |           | 30-150              | B      |
| Decachlorobiphenyl           | 96         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-04  
**Client ID:** SB016 (0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 10:00  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8151A  
**Analytical Date:** 06/16/22 11:45  
**Analyst:** AKM  
**Percent Solids:** 93%  
**Methylation Date:** 06/15/22 23:34

**Extraction Method:** EPA 8151A  
**Extraction Date:** 06/15/22 05:44

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---|--------|-----------|-------|------|------|-----------------|--------|
| <b>Chlorinated Herbicides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| MCPP  | ND     |           | ug/kg | 3530 | 1110 | 1               | A      |
| MCPA  | ND     |           | ug/kg | 3530 | 998. | 1               | A      |
| Dalapon   | ND     |           | ug/kg | 35.3 | 11.5 | 1               | A      |
| Dicamba   | ND     |           | ug/kg | 35.3 | 5.93 | 1               | A      |
| Dichloroprop  | ND     |           | ug/kg | 35.3 | 10.1 | 1               | A      |
| 2,4-D   | ND     |           | ug/kg | 176  | 11.1 | 1               | A      |
| 2,4-DB  | ND     |           | ug/kg | 176  | 9.07 | 1               | A      |
| 2,4,5-T   | ND     |           | ug/kg | 176  | 5.47 | 1               | A      |
| 2,4,5-TP (Silvex)                                     | ND     |           | ug/kg | 176  | 4.69 | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 103        |           | 30-150              | A      |
| DCAA      | 101        |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-05  
**Client ID:** SB016 (2-4)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 10:10  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 06/13/22 18:56  
**Analyst:** EJL  
**Percent Solids:** 90%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/12/22 07:21  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 06/13/22

| Parameter  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| <b>Organochlorine Pesticides by GC - Westborough Lab</b> |        |           |       |       |       |                 |        |
| Delta-BHC  | ND     |           | ug/kg | 1.70  | 0.333 | 1               | A      |
| Lindane  | ND     |           | ug/kg | 0.709 | 0.317 | 1               | A      |
| Alpha-BHC  | ND     |           | ug/kg | 0.709 | 0.201 | 1               | A      |
| Beta-BHC   | ND     |           | ug/kg | 1.70  | 0.646 | 1               | A      |
| Heptachlor   | ND     |           | ug/kg | 0.851 | 0.382 | 1               | A      |
| Aldrin   | ND     |           | ug/kg | 1.70  | 0.599 | 1               | A      |
| Heptachlor epoxide                                       | ND     |           | ug/kg | 3.19  | 0.958 | 1               | A      |
| Endrin   | ND     |           | ug/kg | 0.709 | 0.291 | 1               | A      |
| Endrin aldehyde  | ND     |           | ug/kg | 2.13  | 0.745 | 1               | A      |
| Endrin ketone  | ND     |           | ug/kg | 1.70  | 0.438 | 1               | A      |
| Dieldrin   | ND     |           | ug/kg | 1.06  | 0.532 | 1               | A      |
| 4,4'-DDE   | 2.37   |           | ug/kg | 1.70  | 0.394 | 1               | A      |
| 4,4'-DDD   | ND     |           | ug/kg | 1.70  | 0.607 | 1               | A      |
| 4,4'-DDT   | ND     | IP        | ug/kg | 3.19  | 1.37  | 1               | A      |
| Endosulfan I   | ND     |           | ug/kg | 1.70  | 0.402 | 1               | A      |
| Endosulfan II  | ND     |           | ug/kg | 1.70  | 0.569 | 1               | A      |
| Endosulfan sulfate                                       | ND     |           | ug/kg | 0.709 | 0.338 | 1               | A      |
| Methoxychlor   | ND     |           | ug/kg | 3.19  | 0.993 | 1               | A      |
| Toxaphene  | ND     |           | ug/kg | 31.9  | 8.94  | 1               | A      |
| cis-Chlordane  | ND     |           | ug/kg | 2.13  | 0.593 | 1               | A      |
| trans-Chlordane  | ND     |           | ug/kg | 2.13  | 0.562 | 1               | A      |
| Chlordane  | ND     |           | ug/kg | 14.2  | 5.64  | 1               | A      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-05  
**Client ID:** SB016 (2-4)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 10:10  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|----|-----|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |    |     |                 |        |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 68         |           | 30-150              | A      |
| Decachlorobiphenyl           | 77         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 62         |           | 30-150              | B      |
| Decachlorobiphenyl           | 90         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-05  
 Client ID: SB016 (2-4)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 10:10  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 06/16/22 13:36  
 Analyst: AKM  
 Percent Solids: 90%  
 Methylation Date: 06/15/22 23:34

Extraction Method: EPA 8151A  
 Extraction Date: 06/15/22 05:44

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---|--------|-----------|-------|------|------|-----------------|--------|
| <b>Chlorinated Herbicides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| MCPP  | ND     |           | ug/kg | 3650 | 1150 | 1               | A      |
| MCPA  | ND     |           | ug/kg | 3650 | 1030 | 1               | A      |
| Dalapon   | ND     |           | ug/kg | 36.5 | 11.9 | 1               | A      |
| Dicamba   | ND     |           | ug/kg | 36.5 | 6.13 | 1               | A      |
| Dichloroprop  | ND     |           | ug/kg | 36.5 | 10.5 | 1               | A      |
| 2,4-D   | ND     |           | ug/kg | 182  | 11.5 | 1               | A      |
| 2,4-DB  | ND     |           | ug/kg | 182  | 9.37 | 1               | A      |
| 2,4,5-T   | ND     |           | ug/kg | 182  | 5.65 | 1               | A      |
| 2,4,5-TP (Silvex)                                     | ND     |           | ug/kg | 182  | 4.85 | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 106        |           | 30-150              | A      |
| DCAA      | 102        |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-06  
 Client ID: SB012 (0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 11:30  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 06/16/22 13:54  
 Analyst: AKM  
 Percent Solids: 95%  
 Methylation Date: 06/15/22 23:34

Extraction Method: EPA 8151A  
 Extraction Date: 06/15/22 05:44

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---|--------|-----------|-------|------|------|-----------------|--------|
| <b>Chlorinated Herbicides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| MCPP  | ND     |           | ug/kg | 3460 | 1090 | 1               | A      |
| MCPA  | ND     |           | ug/kg | 3460 | 978. | 1               | A      |
| Dalapon   | ND     |           | ug/kg | 34.6 | 11.3 | 1               | A      |
| Dicamba   | ND     |           | ug/kg | 34.6 | 5.81 | 1               | A      |
| Dichloroprop  | ND     |           | ug/kg | 34.6 | 9.92 | 1               | A      |
| 2,4-D   | ND     |           | ug/kg | 173  | 10.9 | 1               | A      |
| 2,4-DB  | ND     |           | ug/kg | 173  | 8.88 | 1               | A      |
| 2,4,5-T   | ND     |           | ug/kg | 173  | 5.36 | 1               | A      |
| 2,4,5-TP (Silvex)                                     | ND     |           | ug/kg | 173  | 4.60 | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 43         |           | 30-150              | A      |
| DCAA      | 51         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-06 D  
 Client ID: SB012 (0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 11:30  
 Date Received: 06/10/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 06/14/22 09:24  
 Analyst: AKM  
 Percent Solids: 95%

Extraction Method: EPA 3546  
 Extraction Date: 06/12/22 07:21  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 06/13/22

| Parameter  | Result | Qualifier | Units | RL   | MDL   | Dilution Factor | Column |
|--|--------|-----------|-------|------|-------|-----------------|--------|
| <b>Organochlorine Pesticides by GC - Westborough Lab</b> |        |           |       |      |       |                 |        |
| Delta-BHC  | ND     |           | ug/kg | 8.03 | 1.57  | 5               | A      |
| Lindane  | ND     |           | ug/kg | 3.35 | 1.50  | 5               | A      |
| Alpha-BHC  | ND     |           | ug/kg | 3.35 | 0.951 | 5               | A      |
| Beta-BHC   | ND     |           | ug/kg | 8.03 | 3.05  | 5               | A      |
| Heptachlor   | ND     |           | ug/kg | 4.02 | 1.80  | 5               | A      |
| Aldrin   | ND     |           | ug/kg | 8.03 | 2.83  | 5               | A      |
| Heptachlor epoxide                                       | ND     |           | ug/kg | 15.1 | 4.52  | 5               | A      |
| Endrin   | ND     |           | ug/kg | 3.35 | 1.37  | 5               | A      |
| Endrin aldehyde  | ND     |           | ug/kg | 10.0 | 3.51  | 5               | A      |
| Endrin ketone  | ND     |           | ug/kg | 8.03 | 2.07  | 5               | A      |
| Dieldrin   | ND     |           | ug/kg | 5.02 | 2.51  | 5               | A      |
| 4,4'-DDE   | ND     |           | ug/kg | 8.03 | 1.86  | 5               | A      |
| 4,4'-DDD   | ND     |           | ug/kg | 8.03 | 2.86  | 5               | A      |
| 4,4'-DDT   | ND     |           | ug/kg | 15.1 | 6.46  | 5               | A      |
| Endosulfan I   | ND     |           | ug/kg | 8.03 | 1.90  | 5               | A      |
| Endosulfan II  | ND     |           | ug/kg | 8.03 | 2.68  | 5               | A      |
| Endosulfan sulfate                                       | ND     |           | ug/kg | 3.35 | 1.59  | 5               | A      |
| Methoxychlor   | ND     |           | ug/kg | 15.1 | 4.69  | 5               | A      |
| Toxaphene  | ND     |           | ug/kg | 151  | 42.2  | 5               | A      |
| cis-Chlordane  | ND     |           | ug/kg | 10.0 | 2.80  | 5               | A      |
| trans-Chlordane  | ND     |           | ug/kg | 10.0 | 2.65  | 5               | A      |
| Chlordane  | ND     |           | ug/kg | 66.9 | 26.6  | 5               | A      |



**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2231035**Project Number:** 3883.0001Y000**Report Date:** 06/27/22**SAMPLE RESULTS**

Lab ID: L2231035-06 D

Date Collected: 06/10/22 11:30

Client ID: SB012 (0-2)

Date Received: 06/10/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|----|-----|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |    |     |                 |        |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 73         |           | 30-150              | A      |
| Decachlorobiphenyl           | 82         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 77         |           | 30-150              | B      |
| Decachlorobiphenyl           | 100        |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-07  
**Client ID:** DUP\_061022  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 12:00  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8151A  
**Analytical Date:** 06/16/22 14:13  
**Analyst:** AKM  
**Percent Solids:** 89%  
**Methylation Date:** 06/15/22 23:34

**Extraction Method:** EPA 8151A  
**Extraction Date:** 06/15/22 05:44

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---|--------|-----------|-------|------|------|-----------------|--------|
| <b>Chlorinated Herbicides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| MCPP  | ND     |           | ug/kg | 3650 | 1150 | 1               | A      |
| MCPA  | ND     |           | ug/kg | 3650 | 1030 | 1               | A      |
| Dalapon   | ND     |           | ug/kg | 36.5 | 11.9 | 1               | A      |
| Dicamba   | ND     |           | ug/kg | 36.5 | 6.14 | 1               | A      |
| Dichloroprop  | ND     |           | ug/kg | 36.5 | 10.5 | 1               | A      |
| 2,4-D   | ND     |           | ug/kg | 183  | 11.5 | 1               | A      |
| 2,4-DB  | ND     |           | ug/kg | 183  | 9.39 | 1               | A      |
| 2,4,5-T   | ND     |           | ug/kg | 183  | 5.66 | 1               | A      |
| 2,4,5-TP (Silvex)                                     | ND     |           | ug/kg | 183  | 4.86 | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 119        |           | 30-150              | A      |
| DCAA      | 116        |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-07 D  
 Client ID: DUP\_061022  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 12:00  
 Date Received: 06/10/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 06/14/22 09:35  
 Analyst: AKM  
 Percent Solids: 89%

Extraction Method: EPA 3546  
 Extraction Date: 06/12/22 07:21  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 06/13/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Organochlorine Pesticides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Delta-BHC  | ND     |           | ug/kg | 8.78 | 1.72 | 5               | A      |
| Lindane  | ND     |           | ug/kg | 3.66 | 1.64 | 5               | A      |
| Alpha-BHC  | ND     |           | ug/kg | 3.66 | 1.04 | 5               | A      |
| Beta-BHC   | ND     |           | ug/kg | 8.78 | 3.33 | 5               | A      |
| Heptachlor   | ND     |           | ug/kg | 4.39 | 1.97 | 5               | A      |
| Aldrin   | ND     |           | ug/kg | 8.78 | 3.09 | 5               | A      |
| Heptachlor epoxide                                       | ND     |           | ug/kg | 16.5 | 4.94 | 5               | A      |
| Endrin   | ND     |           | ug/kg | 3.66 | 1.50 | 5               | A      |
| Endrin aldehyde  | ND     |           | ug/kg | 11.0 | 3.84 | 5               | A      |
| Endrin ketone  | ND     |           | ug/kg | 8.78 | 2.26 | 5               | A      |
| Dieldrin   | ND     |           | ug/kg | 5.49 | 2.74 | 5               | A      |
| 4,4'-DDE   | ND     |           | ug/kg | 8.78 | 2.03 | 5               | A      |
| 4,4'-DDD   | ND     |           | ug/kg | 8.78 | 3.13 | 5               | A      |
| 4,4'-DDT   | ND     |           | ug/kg | 16.5 | 7.06 | 5               | A      |
| Endosulfan I   | ND     |           | ug/kg | 8.78 | 2.08 | 5               | A      |
| Endosulfan II  | ND     |           | ug/kg | 8.78 | 2.94 | 5               | A      |
| Endosulfan sulfate                                       | ND     |           | ug/kg | 3.66 | 1.74 | 5               | A      |
| Methoxychlor   | ND     |           | ug/kg | 16.5 | 5.12 | 5               | A      |
| Toxaphene  | ND     |           | ug/kg | 165  | 46.1 | 5               | A      |
| cis-Chlordane  | ND     |           | ug/kg | 11.0 | 3.06 | 5               | A      |
| trans-Chlordane  | ND     |           | ug/kg | 11.0 | 2.90 | 5               | A      |
| Chlordane  | ND     |           | ug/kg | 73.2 | 29.1 | 5               | A      |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2231035**Project Number:** 3883.0001Y000**Report Date:** 06/27/22**SAMPLE RESULTS**

Lab ID: L2231035-07 D

Date Collected: 06/10/22 12:00

Client ID: DUP\_061022

Date Received: 06/10/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|----|-----|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |    |     |                 |        |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 56         |           | 30-150              | A      |
| Decachlorobiphenyl           | 58         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 56         |           | 30-150              | B      |
| Decachlorobiphenyl           | 144        |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-08  
**Client ID:** SB012 (12-14)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 12:30  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 06/14/22 10:20  
**Analyst:** AKM  
**Percent Solids:** 93%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/12/22 07:21  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 06/13/22

| Parameter  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| <b>Organochlorine Pesticides by GC - Westborough Lab</b> |        |           |       |       |       |                 |        |
| Delta-BHC  | ND     |           | ug/kg | 1.66  | 0.324 | 1               | A      |
| Lindane  | ND     |           | ug/kg | 0.691 | 0.309 | 1               | A      |
| Alpha-BHC  | ND     |           | ug/kg | 0.691 | 0.196 | 1               | A      |
| Beta-BHC   | ND     |           | ug/kg | 1.66  | 0.628 | 1               | A      |
| Heptachlor   | ND     |           | ug/kg | 0.829 | 0.372 | 1               | A      |
| Aldrin   | ND     |           | ug/kg | 1.66  | 0.584 | 1               | A      |
| Heptachlor epoxide                                       | ND     |           | ug/kg | 3.11  | 0.932 | 1               | A      |
| Endrin   | ND     |           | ug/kg | 0.691 | 0.283 | 1               | A      |
| Endrin aldehyde  | ND     |           | ug/kg | 2.07  | 0.725 | 1               | A      |
| Endrin ketone  | ND     |           | ug/kg | 1.66  | 0.427 | 1               | A      |
| Dieldrin   | ND     |           | ug/kg | 1.04  | 0.518 | 1               | A      |
| 4,4'-DDE   | 2.57   |           | ug/kg | 1.66  | 0.383 | 1               | A      |
| 4,4'-DDD   | 4.63   |           | ug/kg | 1.66  | 0.591 | 1               | B      |
| 4,4'-DDT   | 5.07   |           | ug/kg | 3.11  | 1.33  | 1               | B      |
| Endosulfan I   | ND     |           | ug/kg | 1.66  | 0.392 | 1               | A      |
| Endosulfan II  | ND     |           | ug/kg | 1.66  | 0.554 | 1               | A      |
| Endosulfan sulfate                                       | ND     |           | ug/kg | 0.691 | 0.329 | 1               | A      |
| Methoxychlor   | ND     |           | ug/kg | 3.11  | 0.967 | 1               | A      |
| Toxaphene  | ND     |           | ug/kg | 31.1  | 8.70  | 1               | A      |
| cis-Chlordane  | ND     |           | ug/kg | 2.07  | 0.577 | 1               | A      |
| trans-Chlordane  | ND     |           | ug/kg | 2.07  | 0.547 | 1               | A      |
| Chlordane  | ND     |           | ug/kg | 13.8  | 5.49  | 1               | A      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-08  
 Client ID: SB012 (12-14)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 12:30  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|----|-----|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |    |     |                 |        |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 54         |           | 30-150              | A      |
| Decachlorobiphenyl           | 80         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 59         |           | 30-150              | B      |
| Decachlorobiphenyl           | 83         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-08  
**Client ID:** SB012 (12-14)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 12:30  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8151A  
**Analytical Date:** 06/16/22 14:31  
**Analyst:** AKM  
**Percent Solids:** 93%  
**Methylation Date:** 06/15/22 23:34

**Extraction Method:** EPA 8151A  
**Extraction Date:** 06/15/22 05:44

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---|--------|-----------|-------|------|------|-----------------|--------|
| <b>Chlorinated Herbicides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| MCPP  | ND     |           | ug/kg | 3560 | 1120 | 1               | A      |
| MCPA  | ND     |           | ug/kg | 3560 | 1010 | 1               | A      |
| Dalapon   | ND     |           | ug/kg | 35.6 | 11.6 | 1               | A      |
| Dicamba   | ND     |           | ug/kg | 35.6 | 5.98 | 1               | A      |
| Dichloroprop  | ND     |           | ug/kg | 35.6 | 10.2 | 1               | A      |
| 2,4-D   | ND     |           | ug/kg | 178  | 11.2 | 1               | A      |
| 2,4-DB  | ND     |           | ug/kg | 178  | 9.14 | 1               | A      |
| 2,4,5-T   | ND     |           | ug/kg | 178  | 5.51 | 1               | A      |
| 2,4,5-TP (Silvex)                                     | ND     |           | ug/kg | 178  | 4.73 | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 97         |           | 30-150              | A      |
| DCAA      | 87         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-09  
**Client ID:** SB012 (15-17)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 12:40  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 06/14/22 10:31  
**Analyst:** AKM  
**Percent Solids:** 97%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/12/22 07:21  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 06/13/22

| Parameter  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| <b>Organochlorine Pesticides by GC - Westborough Lab</b> |        |           |       |       |       |                 |        |
| Delta-BHC  | ND     |           | ug/kg | 1.56  | 0.305 | 1               | A      |
| Lindane  | ND     |           | ug/kg | 0.648 | 0.290 | 1               | A      |
| Alpha-BHC  | ND     |           | ug/kg | 0.648 | 0.184 | 1               | A      |
| Beta-BHC   | ND     |           | ug/kg | 1.56  | 0.590 | 1               | A      |
| Heptachlor   | ND     |           | ug/kg | 0.778 | 0.349 | 1               | A      |
| Aldrin   | ND     |           | ug/kg | 1.56  | 0.548 | 1               | A      |
| Heptachlor epoxide                                       | ND     |           | ug/kg | 2.92  | 0.875 | 1               | A      |
| Endrin   | ND     |           | ug/kg | 0.648 | 0.266 | 1               | A      |
| Endrin aldehyde  | ND     |           | ug/kg | 1.94  | 0.681 | 1               | A      |
| Endrin ketone  | ND     |           | ug/kg | 1.56  | 0.401 | 1               | A      |
| Dieldrin   | ND     |           | ug/kg | 0.972 | 0.486 | 1               | A      |
| 4,4'-DDE   | ND     |           | ug/kg | 1.56  | 0.360 | 1               | A      |
| 4,4'-DDD   | ND     |           | ug/kg | 1.56  | 0.555 | 1               | A      |
| 4,4'-DDT   | ND     |           | ug/kg | 2.92  | 1.25  | 1               | A      |
| Endosulfan I   | ND     |           | ug/kg | 1.56  | 0.368 | 1               | A      |
| Endosulfan II  | ND     |           | ug/kg | 1.56  | 0.520 | 1               | A      |
| Endosulfan sulfate                                       | ND     |           | ug/kg | 0.648 | 0.309 | 1               | A      |
| Methoxychlor   | ND     |           | ug/kg | 2.92  | 0.908 | 1               | A      |
| Toxaphene  | ND     |           | ug/kg | 29.2  | 8.17  | 1               | A      |
| cis-Chlordane  | ND     |           | ug/kg | 1.94  | 0.542 | 1               | A      |
| trans-Chlordane  | ND     |           | ug/kg | 1.94  | 0.514 | 1               | A      |
| Chlordane  | ND     |           | ug/kg | 13.0  | 5.15  | 1               | A      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-09  
 Client ID: SB012 (15-17)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 12:40  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|----|-----|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |    |     |                 |        |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 59         |           | 30-150              | A      |
| Decachlorobiphenyl           | 69         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 69         |           | 30-150              | B      |
| Decachlorobiphenyl           | 74         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-09  
 Client ID: SB012 (15-17)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 12:40  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 06/16/22 14:50  
 Analyst: AKM  
 Percent Solids: 97%  
 Methylation Date: 06/15/22 23:34

Extraction Method: EPA 8151A  
 Extraction Date: 06/15/22 05:44

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---|--------|-----------|-------|------|------|-----------------|--------|
| <b>Chlorinated Herbicides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| MCPP  | ND     |           | ug/kg | 3350 | 1060 | 1               | A      |
| MCPA  | ND     |           | ug/kg | 3350 | 949. | 1               | A      |
| Dalapon   | ND     |           | ug/kg | 33.5 | 11.0 | 1               | A      |
| Dicamba   | ND     |           | ug/kg | 33.5 | 5.63 | 1               | A      |
| Dichloroprop  | ND     |           | ug/kg | 33.5 | 9.62 | 1               | A      |
| 2,4-D   | ND     |           | ug/kg | 168  | 10.6 | 1               | A      |
| 2,4-DB  | ND     |           | ug/kg | 168  | 8.62 | 1               | A      |
| 2,4,5-T   | ND     |           | ug/kg | 168  | 5.20 | 1               | A      |
| 2,4,5-TP (Silvex)                                     | ND     |           | ug/kg | 168  | 4.46 | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 105        |           | 30-150              | A      |
| DCAA      | 97         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-11  
 Client ID: SB013 (0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 14:10  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 06/16/22 15:09  
 Analyst: AKM  
 Percent Solids: 90%  
 Methylation Date: 06/15/22 23:34

Extraction Method: EPA 8151A  
 Extraction Date: 06/15/22 05:44

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---|--------|-----------|-------|------|------|-----------------|--------|
| <b>Chlorinated Herbicides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| MCPP  | ND     |           | ug/kg | 3600 | 1130 | 1               | A      |
| MCPA  | ND     |           | ug/kg | 3600 | 1020 | 1               | A      |
| Dalapon   | ND     |           | ug/kg | 36.0 | 11.8 | 1               | A      |
| Dicamba   | ND     |           | ug/kg | 36.0 | 6.04 | 1               | A      |
| Dichloroprop  | ND     |           | ug/kg | 36.0 | 10.3 | 1               | A      |
| 2,4-D   | ND     |           | ug/kg | 180  | 11.3 | 1               | A      |
| 2,4-DB  | ND     |           | ug/kg | 180  | 9.25 | 1               | A      |
| 2,4,5-T   | ND     |           | ug/kg | 180  | 5.58 | 1               | A      |
| 2,4,5-TP (Silvex)                                     | ND     |           | ug/kg | 180  | 4.79 | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 91         |           | 30-150              | A      |
| DCAA      | 83         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-11 D  
 Client ID: SB013 (0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 14:10  
 Date Received: 06/10/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 06/14/22 09:47  
 Analyst: AKM  
 Percent Solids: 90%

Extraction Method: EPA 3546  
 Extraction Date: 06/12/22 07:21  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 06/13/22

| Parameter  | Result | Qualifier | Units | RL   | MDL   | Dilution Factor | Column |
|--|--------|-----------|-------|------|-------|-----------------|--------|
| <b>Organochlorine Pesticides by GC - Westborough Lab</b> |        |           |       |      |       |                 |        |
| Delta-BHC  | ND     |           | ug/kg | 8.43 | 1.65  | 5               | A      |
| Lindane  | ND     |           | ug/kg | 3.51 | 1.57  | 5               | A      |
| Alpha-BHC  | ND     |           | ug/kg | 3.51 | 0.997 | 5               | A      |
| Beta-BHC   | ND     |           | ug/kg | 8.43 | 3.20  | 5               | A      |
| Heptachlor   | ND     |           | ug/kg | 4.21 | 1.89  | 5               | A      |
| Aldrin   | ND     |           | ug/kg | 8.43 | 2.97  | 5               | A      |
| Heptachlor epoxide                                       | ND     |           | ug/kg | 15.8 | 4.74  | 5               | A      |
| Endrin   | ND     |           | ug/kg | 3.51 | 1.44  | 5               | A      |
| Endrin aldehyde  | ND     |           | ug/kg | 10.5 | 3.69  | 5               | A      |
| Endrin ketone  | ND     |           | ug/kg | 8.43 | 2.17  | 5               | A      |
| Dieldrin   | ND     |           | ug/kg | 5.27 | 2.63  | 5               | A      |
| 4,4'-DDE   | ND     |           | ug/kg | 8.43 | 1.95  | 5               | A      |
| 4,4'-DDD   | ND     |           | ug/kg | 8.43 | 3.01  | 5               | A      |
| 4,4'-DDT   | ND     |           | ug/kg | 15.8 | 6.78  | 5               | A      |
| Endosulfan I   | ND     |           | ug/kg | 8.43 | 1.99  | 5               | A      |
| Endosulfan II  | ND     |           | ug/kg | 8.43 | 2.82  | 5               | A      |
| Endosulfan sulfate                                       | ND     |           | ug/kg | 3.51 | 1.67  | 5               | A      |
| Methoxychlor   | ND     |           | ug/kg | 15.8 | 4.92  | 5               | A      |
| Toxaphene  | ND     |           | ug/kg | 158  | 44.2  | 5               | A      |
| cis-Chlordane  | ND     |           | ug/kg | 10.5 | 2.94  | 5               | A      |
| trans-Chlordane  | ND     |           | ug/kg | 10.5 | 2.78  | 5               | A      |
| Chlordane  | ND     |           | ug/kg | 70.2 | 27.9  | 5               | A      |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2231035**Project Number:** 3883.0001Y000**Report Date:** 06/27/22**SAMPLE RESULTS**

Lab ID: L2231035-11 D

Date Collected: 06/10/22 14:10

Client ID: SB013 (0-2)

Date Received: 06/10/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|----|-----|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |    |     |                 |        |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 57         |           | 30-150              | A      |
| Decachlorobiphenyl           | 80         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 61         |           | 30-150              | B      |
| Decachlorobiphenyl           | 62         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-12  
**Client ID:** SB013 (6-8)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 14:40  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 06/14/22 10:43  
**Analyst:** AKM  
**Percent Solids:** 93%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/12/22 07:21  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 06/13/22

| Parameter  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| <b>Organochlorine Pesticides by GC - Westborough Lab</b> |        |           |       |       |       |                 |        |
| Delta-BHC  | ND     |           | ug/kg | 1.63  | 0.319 | 1               | A      |
| Lindane  | ND     |           | ug/kg | 0.678 | 0.303 | 1               | A      |
| Alpha-BHC  | ND     |           | ug/kg | 0.678 | 0.193 | 1               | A      |
| Beta-BHC   | ND     |           | ug/kg | 1.63  | 0.617 | 1               | A      |
| Heptachlor   | ND     |           | ug/kg | 0.814 | 0.365 | 1               | A      |
| Aldrin   | ND     |           | ug/kg | 1.63  | 0.573 | 1               | A      |
| Heptachlor epoxide                                       | ND     |           | ug/kg | 3.05  | 0.916 | 1               | A      |
| Endrin   | ND     |           | ug/kg | 0.678 | 0.278 | 1               | A      |
| Endrin aldehyde  | ND     |           | ug/kg | 2.04  | 0.712 | 1               | A      |
| Endrin ketone  | ND     |           | ug/kg | 1.63  | 0.419 | 1               | A      |
| Dieldrin   | ND     |           | ug/kg | 1.02  | 0.509 | 1               | A      |
| 4,4'-DDE   | 0.806  | J         | ug/kg | 1.63  | 0.376 | 1               | B      |
| 4,4'-DDD   | ND     |           | ug/kg | 1.63  | 0.581 | 1               | A      |
| 4,4'-DDT   | ND     |           | ug/kg | 3.05  | 1.31  | 1               | A      |
| Endosulfan I   | ND     |           | ug/kg | 1.63  | 0.385 | 1               | A      |
| Endosulfan II  | ND     |           | ug/kg | 1.63  | 0.544 | 1               | A      |
| Endosulfan sulfate                                       | ND     |           | ug/kg | 0.678 | 0.323 | 1               | A      |
| Methoxychlor   | ND     |           | ug/kg | 3.05  | 0.950 | 1               | A      |
| Toxaphene  | ND     |           | ug/kg | 30.5  | 8.55  | 1               | A      |
| cis-Chlordane  | ND     |           | ug/kg | 2.04  | 0.567 | 1               | A      |
| trans-Chlordane  | ND     |           | ug/kg | 2.04  | 0.537 | 1               | A      |
| Chlordane  | ND     |           | ug/kg | 13.6  | 5.39  | 1               | A      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-12  
 Client ID: SB013 (6-8)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 14:40  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|----|-----|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |    |     |                 |        |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 56         |           | 30-150              | A      |
| Decachlorobiphenyl           | 75         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 62         |           | 30-150              | B      |
| Decachlorobiphenyl           | 80         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-12  
**Client ID:** SB013 (6-8)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 14:40  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8151A  
**Analytical Date:** 06/16/22 15:46  
**Analyst:** EJJ  
**Percent Solids:** 93%  
**Methylation Date:** 06/15/22 23:34

**Extraction Method:** EPA 8151A  
**Extraction Date:** 06/15/22 05:44

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---|--------|-----------|-------|------|------|-----------------|--------|
| <b>Chlorinated Herbicides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| MCPP  | ND     |           | ug/kg | 3540 | 1110 | 1               | A      |
| MCPA  | ND     |           | ug/kg | 3540 | 1000 | 1               | A      |
| Dalapon   | ND     |           | ug/kg | 35.4 | 11.6 | 1               | A      |
| Dicamba   | ND     |           | ug/kg | 35.4 | 5.94 | 1               | A      |
| Dichloroprop  | ND     |           | ug/kg | 35.4 | 10.2 | 1               | A      |
| 2,4-D   | ND     |           | ug/kg | 177  | 11.1 | 1               | A      |
| 2,4-DB  | ND     |           | ug/kg | 177  | 9.09 | 1               | A      |
| 2,4,5-T   | ND     |           | ug/kg | 177  | 5.48 | 1               | A      |
| 2,4,5-TP (Silvex)                                     | ND     |           | ug/kg | 177  | 4.71 | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 121        |           | 30-150              | A      |
| DCAA      | 112        |           | 30-150              | B      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-13  
**Client ID:** SB013 (10-12)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 14:55  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 06/14/22 10:54  
**Analyst:** AKM  
**Percent Solids:** 93%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/12/22 07:21  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 06/13/22

| Parameter  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| <b>Organochlorine Pesticides by GC - Westborough Lab</b> |        |           |       |       |       |                 |        |
| Delta-BHC  | ND     |           | ug/kg | 1.63  | 0.320 | 1               | A      |
| Lindane  | ND     |           | ug/kg | 0.680 | 0.304 | 1               | A      |
| Alpha-BHC  | ND     |           | ug/kg | 0.680 | 0.193 | 1               | A      |
| Beta-BHC   | ND     |           | ug/kg | 1.63  | 0.619 | 1               | A      |
| Heptachlor   | ND     |           | ug/kg | 0.816 | 0.366 | 1               | A      |
| Aldrin   | ND     |           | ug/kg | 1.63  | 0.575 | 1               | A      |
| Heptachlor epoxide                                       | ND     |           | ug/kg | 3.06  | 0.918 | 1               | A      |
| Endrin   | ND     |           | ug/kg | 0.680 | 0.279 | 1               | A      |
| Endrin aldehyde  | ND     |           | ug/kg | 2.04  | 0.714 | 1               | A      |
| Endrin ketone  | ND     |           | ug/kg | 1.63  | 0.420 | 1               | A      |
| Dieldrin   | ND     |           | ug/kg | 1.02  | 0.510 | 1               | A      |
| 4,4'-DDE   | ND     |           | ug/kg | 1.63  | 0.378 | 1               | A      |
| 4,4'-DDD   | ND     |           | ug/kg | 1.63  | 0.582 | 1               | A      |
| 4,4'-DDT   | ND     |           | ug/kg | 3.06  | 1.31  | 1               | A      |
| Endosulfan I   | ND     |           | ug/kg | 1.63  | 0.386 | 1               | A      |
| Endosulfan II  | ND     |           | ug/kg | 1.63  | 0.546 | 1               | A      |
| Endosulfan sulfate                                       | ND     |           | ug/kg | 0.680 | 0.324 | 1               | A      |
| Methoxychlor   | ND     |           | ug/kg | 3.06  | 0.952 | 1               | A      |
| Toxaphene  | ND     |           | ug/kg | 30.6  | 8.57  | 1               | A      |
| cis-Chlordane  | ND     |           | ug/kg | 2.04  | 0.569 | 1               | A      |
| trans-Chlordane  | ND     |           | ug/kg | 2.04  | 0.539 | 1               | A      |
| Chlordane  | ND     |           | ug/kg | 13.6  | 5.41  | 1               | A      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-13  
 Client ID: SB013 (10-12)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 14:55  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|----|-----|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |    |     |                 |        |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 56         |           | 30-150              | A      |
| Decachlorobiphenyl           | 85         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 58         |           | 30-150              | B      |
| Decachlorobiphenyl           | 97         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-13  
 Client ID: SB013 (10-12)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 14:55  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 06/16/22 16:04  
 Analyst: EJJ  
 Percent Solids: 93%  
 Methylation Date: 06/15/22 23:34

Extraction Method: EPA 8151A  
 Extraction Date: 06/15/22 05:44

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---|--------|-----------|-------|------|------|-----------------|--------|
| <b>Chlorinated Herbicides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| MCPP  | ND     |           | ug/kg | 3470 | 1090 | 1               | A      |
| MCPA  | ND     |           | ug/kg | 3470 | 983. | 1               | A      |
| Dalapon   | ND     |           | ug/kg | 34.7 | 11.4 | 1               | A      |
| Dicamba   | ND     |           | ug/kg | 34.7 | 5.84 | 1               | A      |
| Dichloroprop  | ND     |           | ug/kg | 34.7 | 9.97 | 1               | A      |
| 2,4-D   | ND     |           | ug/kg | 174  | 10.9 | 1               | A      |
| 2,4-DB  | ND     |           | ug/kg | 174  | 8.93 | 1               | A      |
| 2,4,5-T   | ND     |           | ug/kg | 174  | 5.38 | 1               | A      |
| 2,4,5-TP (Silvex)                                     | ND     |           | ug/kg | 174  | 4.62 | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 115        |           | 30-150              | A      |
| DCAA      | 105        |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8081B  
 Analytical Date: 06/13/22 17:28  
 Analyst: MMG

Extraction Method: EPA 3546  
 Extraction Date: 06/12/22 07:21  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 06/13/22

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Column |
|---|--------|-----------|-------|-------|-------|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02-09,11-13 Batch: WG1649512-1 |        |           |       |       |       |        |
| Delta-BHC   | ND     |           | ug/kg | 1.53  | 0.300 | A      |
| Lindane   | ND     |           | ug/kg | 0.638 | 0.285 | A      |
| Alpha-BHC   | ND     |           | ug/kg | 0.638 | 0.181 | A      |
| Beta-BHC  | ND     |           | ug/kg | 1.53  | 0.581 | A      |
| Heptachlor  | ND     |           | ug/kg | 0.766 | 0.344 | A      |
| Aldrin  | ND     |           | ug/kg | 1.53  | 0.540 | A      |
| Heptachlor epoxide  | ND     |           | ug/kg | 2.87  | 0.862 | A      |
| Endrin  | ND     |           | ug/kg | 0.638 | 0.262 | A      |
| Endrin aldehyde   | ND     |           | ug/kg | 1.92  | 0.670 | A      |
| Endrin ketone   | ND     |           | ug/kg | 1.53  | 0.395 | A      |
| Dieldrin  | ND     |           | ug/kg | 0.958 | 0.479 | A      |
| 4,4'-DDE  | ND     |           | ug/kg | 1.53  | 0.354 | A      |
| 4,4'-DDD  | ND     |           | ug/kg | 1.53  | 0.547 | A      |
| 4,4'-DDT  | ND     |           | ug/kg | 2.87  | 1.23  | A      |
| Endosulfan I  | ND     |           | ug/kg | 1.53  | 0.362 | A      |
| Endosulfan II   | ND     |           | ug/kg | 1.53  | 0.512 | A      |
| Endosulfan sulfate  | ND     |           | ug/kg | 0.638 | 0.304 | A      |
| Methoxychlor  | ND     |           | ug/kg | 2.87  | 0.894 | A      |
| Toxaphene   | ND     |           | ug/kg | 28.7  | 8.04  | A      |
| cis-Chlordane   | ND     |           | ug/kg | 1.92  | 0.534 | A      |
| trans-Chlordane   | ND     |           | ug/kg | 1.92  | 0.506 | A      |
| Chlordane   | ND     |           | ug/kg | 12.8  | 5.08  | A      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 06/13/22 17:28  
Analyst: MMG

Extraction Method: EPA 3546  
Extraction Date: 06/12/22 07:21  
Cleanup Method: EPA 3620B  
Cleanup Date: 06/13/22

| Parameter   | Result | Qualifier | Units | RL | MDL | Column |
|---|--------|-----------|-------|----|-----|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02-09,11-13 Batch: WG1649512-1 |        |           |       |    |     |        |

| Surrogate                    | %Recovery | Qualifier | Acceptance |        |
|------------------------------|-----------|-----------|------------|--------|
|                              |           |           | Criteria   | Column |
| 2,4,5,6-Tetrachloro-m-xylene | 78        |           | 30-150     | A      |
| Decachlorobiphenyl           | 78        |           | 30-150     | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 70        |           | 30-150     | B      |
| Decachlorobiphenyl           | 82        |           | 30-150     | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8151A  
Analytical Date: 06/16/22 07:44  
Analyst: AKM

Extraction Method: EPA 8151A  
Extraction Date: 06/15/22 05:01

Methylation Date: 06/15/22 12:58

| Parameter   | Result | Qualifier | Units | RL   | MDL   | Column |
|---|--------|-----------|-------|------|-------|--------|
| Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01 Batch: WG1650662-1 |        |           |       |      |       |        |
| MCPP  | ND     |           | ug/l  | 500  | 58.5  | A      |
| MCPA  | ND     |           | ug/l  | 500  | 63.2  | A      |
| Dalapon   | ND     |           | ug/l  | 20.0 | 0.810 | A      |
| Dicamba   | ND     |           | ug/l  | 1.00 | 0.243 | A      |
| Dichloroprop  | ND     |           | ug/l  | 10.0 | 0.564 | A      |
| 2,4-D   | ND     |           | ug/l  | 10.0 | 0.498 | A      |
| 2,4-DB  | ND     |           | ug/l  | 10.0 | 0.729 | A      |
| 2,4,5-T   | ND     |           | ug/l  | 2.00 | 0.531 | A      |
| 2,4,5-TP (Silvex)   | ND     |           | ug/l  | 2.00 | 0.539 | A      |
| Dinoseb   | ND     |           | ug/l  | 5.00 | 0.573 | A      |

| Surrogate | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|-----------|-----------|-----------|------------------------|--------|
| DCAA      | 103       |           | 30-150                 | A      |
| DCAA      | 95        |           | 30-150                 | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8151A  
 Analytical Date: 06/16/22 10:50  
 Analyst: AKM

Extraction Method: EPA 8151A  
 Extraction Date: 06/15/22 05:44

Methylation Date: 06/15/22 23:34

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Column |
|--|--------|-----------|-------|------|------|--------|
| Chlorinated Herbicides by GC - Westborough Lab for sample(s): 02-09,11-13 Batch: WG1650665-1 |        |           |       |      |      |        |
| MCPP   | ND     |           | ug/kg | 3250 | 1020 | A      |
| MCPA   | ND     |           | ug/kg | 3250 | 920. | A      |
| Dalapon  | ND     |           | ug/kg | 32.5 | 10.6 | A      |
| Dicamba  | ND     |           | ug/kg | 32.5 | 5.46 | A      |
| Dichloroprop   | ND     |           | ug/kg | 32.5 | 9.33 | A      |
| 2,4-D  | ND     |           | ug/kg | 162  | 10.2 | A      |
| 2,4-DB   | ND     |           | ug/kg | 162  | 8.36 | A      |
| 2,4,5-T  | ND     |           | ug/kg | 162  | 5.04 | A      |
| 2,4,5-TP (Silvex)  | ND     |           | ug/kg | 162  | 4.32 | A      |

| Surrogate | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|-----------|-----------|-----------|------------------------|--------|
| DCAA      | 93        |           | 30-150                 | A      |
| DCAA      | 88        |           | 30-150                 | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**Method Blank Analysis  
 Batch Quality Control**

Analytical Method: 1,8081B  
 Analytical Date: 06/16/22 12:51  
 Analyst: AR

Extraction Method: EPA 3510C  
 Extraction Date: 06/15/22 23:36

| Parameter  | Result | Qualifier | Units | RL    | MDL   | Column |
|--|--------|-----------|-------|-------|-------|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1651191-1 |        |           |       |       |       |        |
| Delta-BHC  | ND     |           | ug/l  | 0.014 | 0.003 | A      |
| Lindane  | ND     |           | ug/l  | 0.014 | 0.003 | A      |
| Alpha-BHC  | ND     |           | ug/l  | 0.014 | 0.003 | A      |
| Beta-BHC   | ND     |           | ug/l  | 0.014 | 0.004 | A      |
| Heptachlor   | ND     |           | ug/l  | 0.014 | 0.002 | A      |
| Aldrin   | ND     |           | ug/l  | 0.014 | 0.002 | A      |
| Heptachlor epoxide   | ND     |           | ug/l  | 0.014 | 0.003 | A      |
| Endrin   | ND     |           | ug/l  | 0.029 | 0.003 | A      |
| Endrin aldehyde  | ND     |           | ug/l  | 0.029 | 0.006 | A      |
| Endrin ketone  | ND     |           | ug/l  | 0.029 | 0.003 | A      |
| Dieldrin   | ND     |           | ug/l  | 0.029 | 0.003 | A      |
| 4,4'-DDE   | ND     |           | ug/l  | 0.029 | 0.003 | A      |
| 4,4'-DDD   | ND     |           | ug/l  | 0.029 | 0.003 | A      |
| 4,4'-DDT   | ND     |           | ug/l  | 0.029 | 0.003 | A      |
| Endosulfan I   | ND     |           | ug/l  | 0.014 | 0.002 | A      |
| Endosulfan II  | ND     |           | ug/l  | 0.029 | 0.004 | A      |
| Endosulfan sulfate   | ND     |           | ug/l  | 0.029 | 0.003 | A      |
| Methoxychlor   | ND     |           | ug/l  | 0.143 | 0.005 | A      |
| Toxaphene  | ND     |           | ug/l  | 0.143 | 0.045 | A      |
| cis-Chlordane  | ND     |           | ug/l  | 0.014 | 0.005 | A      |
| trans-Chlordane  | ND     |           | ug/l  | 0.014 | 0.004 | A      |
| Chlordane  | ND     |           | ug/l  | 0.143 | 0.033 | A      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 06/16/22 12:51  
Analyst: AR

Extraction Method: EPA 3510C  
Extraction Date: 06/15/22 23:36

| Parameter  | Result | Qualifier | Units | RL | MDL | Column |
|--|--------|-----------|-------|----|-----|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1651191-1 |        |           |       |    |     |        |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 65        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 81        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 58        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 93        |           | 30-150                 | B      |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02-09,11-13 Batch: WG1649512-2 WG1649512-3 |                  |      |                   |      |                     |     |      |               |        |
| Delta-BHC  | 81               |      | 79                |      | 30-150              | 3   |      | 30            | A      |
| Lindane  | 78               |      | 77                |      | 30-150              | 1   |      | 30            | A      |
| Alpha-BHC  | 80               |      | 78                |      | 30-150              | 3   |      | 30            | A      |
| Beta-BHC   | 76               |      | 79                |      | 30-150              | 4   |      | 30            | A      |
| Heptachlor   | 80               |      | 78                |      | 30-150              | 3   |      | 30            | A      |
| Aldrin   | 76               |      | 75                |      | 30-150              | 1   |      | 30            | A      |
| Heptachlor epoxide   | 72               |      | 70                |      | 30-150              | 3   |      | 30            | A      |
| Endrin   | 78               |      | 76                |      | 30-150              | 3   |      | 30            | A      |
| Endrin aldehyde  | 66               |      | 65                |      | 30-150              | 2   |      | 30            | A      |
| Endrin ketone  | 78               |      | 77                |      | 30-150              | 1   |      | 30            | A      |
| Dieldrin   | 81               |      | 79                |      | 30-150              | 3   |      | 30            | A      |
| 4,4'-DDE   | 76               |      | 74                |      | 30-150              | 3   |      | 30            | A      |
| 4,4'-DDD   | 79               |      | 77                |      | 30-150              | 3   |      | 30            | A      |
| 4,4'-DDT   | 75               |      | 73                |      | 30-150              | 3   |      | 30            | A      |
| Endosulfan I   | 73               |      | 70                |      | 30-150              | 4   |      | 30            | A      |
| Endosulfan II  | 76               |      | 75                |      | 30-150              | 1   |      | 30            | A      |
| Endosulfan sulfate   | 69               |      | 68                |      | 30-150              | 1   |      | 30            | A      |
| Methoxychlor   | 76               |      | 74                |      | 30-150              | 3   |      | 30            | A      |
| cis-Chlordane  | 65               |      | 64                |      | 30-150              | 2   |      | 30            | A      |
| trans-Chlordane  | 77               |      | 76                |      | 30-150              | 1   |      | 30            | A      |

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

| Parameter  | <i>LCS</i><br>%Recovery | <i>Qual</i> | <i>LCSD</i><br>%Recovery | <i>Qual</i> | <i>%Recovery</i><br>Limits | <i>RPD</i> | <i>Qual</i> | <i>RPD</i><br>Limits |
|--|-------------------------|-------------|--------------------------|-------------|----------------------------|------------|-------------|----------------------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02-09,11-13 Batch: WG1649512-2 WG1649512-3 |                         |             |                          |             |                            |            |             |                      |

| <i>Surrogate</i>             | <i>LCS</i><br>%Recovery | <i>Qual</i> | <i>LCSD</i><br>%Recovery | <i>Qual</i> | <i>Acceptance</i><br>Criteria | <i>Column</i> |
|------------------------------|-------------------------|-------------|--------------------------|-------------|-------------------------------|---------------|
| 2,4,5,6-Tetrachloro-m-xylene | 73                      |             | 72                       |             | 30-150                        | A             |
| Decachlorobiphenyl           | 74                      |             | 77                       |             | 30-150                        | A             |
| 2,4,5,6-Tetrachloro-m-xylene | 66                      |             | 66                       |             | 30-150                        | B             |
| Decachlorobiphenyl           | 89                      |             | 83                       |             | 30-150                        | B             |

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1650662-2 WG1650662-3 |                  |      |                   |      |                     |     |      |               |        |
| MCPP   | 146              |      | 132               |      | 30-150              | 10  |      | 25            | A      |
| MCPA   | 107              |      | 100               |      | 30-150              | 7   |      | 25            | A      |
| Dalapon  | 86               |      | 82                |      | 30-150              | 5   |      | 25            | A      |
| Dicamba  | 119              |      | 110               |      | 30-150              | 8   |      | 25            | A      |
| Dichloroprop   | 140              |      | 131               |      | 30-150              | 7   |      | 25            | A      |
| 2,4-D  | 134              |      | 125               |      | 30-150              | 7   |      | 25            | A      |
| 2,4-DB   | 106              |      | 96                |      | 30-150              | 10  |      | 25            | A      |
| 2,4,5-T  | 118              |      | 110               |      | 30-150              | 7   |      | 25            | A      |
| 2,4,5-TP (Silvex)  | 120              |      | 112               |      | 30-150              | 7   |      | 25            | A      |
| Dinoseb  | 108              |      | 99                |      | 30-150              | 9   |      | 25            | A      |

| Surrogate | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|-----------|------------------|------|-------------------|------|------------------------|--------|
| DCAA      | 112              |      | 116               |      | 30-150                 | A      |
| DCAA      | 112              |      | 107               |      | 30-150                 | B      |



### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 02-09,11-13 Batch: WG1650665-2 WG1650665-3 |                  |      |                   |      |                     |     |      |               |        |
| MCPP  | 122              |      | 112               |      | 30-150              | 9   |      | 30            | A      |
| MCPA  | 90               |      | 82                |      | 30-150              | 9   |      | 30            | A      |
| Dalapon   | 76               |      | 71                |      | 30-150              | 7   |      | 30            | A      |
| Dicamba   | 102              |      | 95                |      | 30-150              | 7   |      | 30            | A      |
| Dichloroprop  | 113              |      | 108               |      | 30-150              | 5   |      | 30            | A      |
| 2,4-D   | 115              |      | 111               |      | 30-150              | 4   |      | 30            | A      |
| 2,4-DB  | 83               |      | 78                |      | 30-150              | 6   |      | 30            | A      |
| 2,4,5-T   | 98               |      | 94                |      | 30-150              | 4   |      | 30            | A      |
| 2,4,5-TP (Silvex)   | 100              |      | 96                |      | 30-150              | 4   |      | 30            | A      |

| Surrogate | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|-----------|------------------|------|-------------------|------|------------------------|--------|
| DCAA      | 105              |      | 97                |      | 30-150                 | A      |
| DCAA      | 110              |      | 95                |      | 30-150                 | B      |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1651191-2 WG1651191-3 |                  |      |                   |      |                     |     |      |               |        |
| Delta-BHC   | 46               |      | 44                |      | 30-150              | 4   |      | 20            | A      |
| Lindane   | 64               |      | 62                |      | 30-150              | 4   |      | 20            | A      |
| Alpha-BHC   | 66               |      | 64                |      | 30-150              | 3   |      | 20            | A      |
| Beta-BHC  | 63               |      | 61                |      | 30-150              | 3   |      | 20            | A      |
| Heptachlor  | 64               |      | 61                |      | 30-150              | 6   |      | 20            | A      |
| Aldrin  | 62               |      | 58                |      | 30-150              | 7   |      | 20            | A      |
| Heptachlor epoxide  | 63               |      | 59                |      | 30-150              | 6   |      | 20            | A      |
| Endrin  | 67               |      | 62                |      | 30-150              | 7   |      | 20            | A      |
| Endrin aldehyde   | 58               |      | 55                |      | 30-150              | 5   |      | 20            | A      |
| Endrin ketone   | 73               |      | 68                |      | 30-150              | 8   |      | 20            | A      |
| Dieldrin  | 69               |      | 64                |      | 30-150              | 7   |      | 20            | A      |
| 4,4'-DDE  | 64               |      | 59                |      | 30-150              | 8   |      | 20            | A      |
| 4,4'-DDD  | 69               |      | 64                |      | 30-150              | 8   |      | 20            | A      |
| 4,4'-DDT  | 67               |      | 62                |      | 30-150              | 8   |      | 20            | A      |
| Endosulfan I  | 64               |      | 59                |      | 30-150              | 8   |      | 20            | A      |
| Endosulfan II   | 66               |      | 61                |      | 30-150              | 7   |      | 20            | A      |
| Endosulfan sulfate  | 65               |      | 61                |      | 30-150              | 7   |      | 20            | A      |
| Methoxychlor  | 69               |      | 63                |      | 30-150              | 9   |      | 20            | A      |
| cis-Chlordane   | 57               |      | 53                |      | 30-150              | 8   |      | 20            | A      |
| trans-Chlordane   | 64               |      | 60                |      | 30-150              | 7   |      | 20            | A      |

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

| Parameter | <i>LCS</i><br>%Recovery | <i>Qual</i> | <i>LCSD</i><br>%Recovery | <i>Qual</i> | <i>%Recovery</i><br>Limits | <i>RPD</i> | <i>Qual</i> | <i>RPD</i><br>Limits |
|-----------|-------------------------|-------------|--------------------------|-------------|----------------------------|------------|-------------|----------------------|
|-----------|-------------------------|-------------|--------------------------|-------------|----------------------------|------------|-------------|----------------------|

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1651191-2 WG1651191-3

| <i>Surrogate</i>             | <i>LCS</i><br>%Recovery | <i>Qual</i> | <i>LCSD</i><br>%Recovery | <i>Qual</i> | <i>Acceptance</i><br>Criteria | <i>Column</i> |
|------------------------------|-------------------------|-------------|--------------------------|-------------|-------------------------------|---------------|
| 2,4,5,6-Tetrachloro-m-xylene | 63                      |             | 63                       |             | 30-150                        | A             |
| Decachlorobiphenyl           | 78                      |             | 70                       |             | 30-150                        | A             |
| 2,4,5,6-Tetrachloro-m-xylene | 57                      |             | 59                       |             | 30-150                        | B             |
| Decachlorobiphenyl           | 90                      |             | 80                       |             | 30-150                        | B             |

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 40-40 NORTHERN BLVD

**Project Number:** 3883.0001Y000

**Lab Number:** L2231035

**Report Date:** 06/27/22

| <i>Parameter</i>  | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> | <i>Column</i> |
|---|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|---------------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02-09,11-13 QC Batch ID: WG1649512-4 WG1649512-5 QC Sample: L2231035-04<br>Client ID: SB016 (0-2) |                      |                 |                 |                     |             |                  |                      |             |                        |            |             |                   |               |
| Delta-BHC   | ND                   | 35.4            | 14.7            | 42                  |             | 16.0             | 45                   |             | 30-150                 | 8          |             | 50                | A             |
| Lindane   | ND                   | 35.4            | 26.9            | 76                  |             | 29.2             | 82                   |             | 30-150                 | 8          |             | 50                | A             |
| Alpha-BHC   | ND                   | 35.4            | 27.5            | 78                  |             | 30.5             | 86                   |             | 30-150                 | 10         |             | 50                | A             |
| Beta-BHC  | ND                   | 35.4            | 29.4            | 83                  |             | 31.3             | 88                   |             | 30-150                 | 6          |             | 50                | A             |
| Heptachlor  | ND                   | 35.4            | 29.8            | 84                  |             | 30.9             | 87                   |             | 30-150                 | 4          |             | 50                | A             |
| Aldrin  | ND                   | 35.4            | 30.3            | 86                  |             | 32.3             | 91                   |             | 30-150                 | 6          |             | 50                | A             |
| Heptachlor epoxide  | ND                   | 35.4            | 26.2            | 74                  |             | 28.2             | 80                   |             | 30-150                 | 7          |             | 50                | A             |
| Endrin  | ND                   | 35.4            | 30.4            | 86                  |             | 33.2             | 94                   |             | 30-150                 | 9          |             | 50                | A             |
| Endrin aldehyde   | ND                   | 35.4            | 21.0            | 59                  |             | 22.6             | 64                   |             | 30-150                 | 7          |             | 50                | A             |
| Endrin ketone   | ND                   | 35.4            | 28.9            | 82                  |             | 35.0             | 99                   |             | 30-150                 | 19         |             | 50                | A             |
| Dieldrin  | ND                   | 35.4            | 31.0            | 88                  |             | 33.7             | 95                   |             | 30-150                 | 8          |             | 50                | A             |
| 4,4'-DDE  | 1.40J                | 35.4            | 34.4            | 97                  |             | 36.1             | 102                  |             | 30-150                 | 5          |             | 50                | B             |
| 4,4'-DDD  | ND                   | 35.4            | 33.0            | 93                  |             | 35.9             | 101                  |             | 30-150                 | 8          |             | 50                | A             |
| 4,4'-DDT  | 3.74P                | 35.4            | 30.2            | 75                  |             | 31.3             | 78                   |             | 30-150                 | 4          |             | 50                | B             |
| Endosulfan I  | ND                   | 35.4            | 23.4            | 66                  |             | 25.6             | 72                   |             | 30-150                 | 9          |             | 50                | A             |
| Endosulfan II   | ND                   | 35.4            | 24.4            | 69                  |             | 27.0             | 76                   |             | 30-150                 | 10         |             | 50                | A             |
| Endosulfan sulfate  | ND                   | 35.4            | 21.3            | 60                  |             | 24.6             | 69                   |             | 30-150                 | 14         |             | 50                | A             |
| Methoxychlor  | ND                   | 35.4            | 29.2            | 83                  |             | 32.7             | 92                   |             | 30-150                 | 11         |             | 50                | A             |
| cis-Chlordane   | ND                   | 35.4            | 27.7            | 78                  |             | 29.3             | 83                   |             | 30-150                 | 6          |             | 50                | B             |
| trans-Chlordane   | 0.562J               | 35.4            | 30.4            | 86                  |             | 31.8             | 90                   |             | 30-150                 | 5          |             | 50                | B             |



## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2231035

**Project Number:** 3883.0001Y000

**Report Date:** 06/27/22

| <b>Parameter</b> | <b>Native<br/>Sample</b> | <b>MS<br/>Added</b> | <b>MS<br/>Found</b> | <b>MS<br/>%Recovery</b> | <b>Qual</b> | <b>MSD<br/>Found</b> | <b>MSD<br/>%Recovery</b> | <b>Qual</b> | <b>Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|------------------|--------------------------|---------------------|---------------------|-------------------------|-------------|----------------------|--------------------------|-------------|----------------------------|------------|-------------|-----------------------|
|------------------|--------------------------|---------------------|---------------------|-------------------------|-------------|----------------------|--------------------------|-------------|----------------------------|------------|-------------|-----------------------|

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02-09,11-13 QC Batch ID: WG1649512-4 WG1649512-5 QC Sample: L2231035-04  
Client ID: SB016 (0-2)

| <b>Surrogate</b>             | <b>MS</b>         |                  | <b>MSD</b>        |                  | <b>Acceptance<br/>Criteria</b> | <b>Column</b> |
|------------------------------|-------------------|------------------|-------------------|------------------|--------------------------------|---------------|
|                              | <b>% Recovery</b> | <b>Qualifier</b> | <b>% Recovery</b> | <b>Qualifier</b> |                                |               |
| 2,4,5,6-Tetrachloro-m-xylene | 84                |                  | 91                |                  | 30-150                         | A             |
| Decachlorobiphenyl           | 73                |                  | 95                |                  | 30-150                         | A             |
| 2,4,5,6-Tetrachloro-m-xylene | 78                |                  | 83                |                  | 30-150                         | B             |
| Decachlorobiphenyl           | 94                |                  | 101               |                  | 30-150                         | B             |

### Matrix Spike Analysis Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

| <i>Parameter</i>   | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> | <i>Column</i> |
|--|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|---------------|
| Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 02-09,11-13 QC Batch ID: WG1650665-4 WG1650665-5 QC Sample: L2231035-04<br>Client ID: SB016 (0-2) |                      |                 |                 |                     |             |                  |                      |             |                        |            |             |                   |               |
| MCPP   | ND                   | 17500           | 22700           | 130                 |             | 23000            | 130                  |             | 30-150                 | 1          |             | 30                | A             |
| MCPA   | ND                   | 17500           | 16000           | 91                  |             | 16300            | 92                   |             | 30-150                 | 2          |             | 30                | A             |
| Dalapon  | ND                   | 175             | 144             | 82                  |             | 149              | 85                   |             | 30-150                 | 3          |             | 30                | A             |
| Dicamba  | ND                   | 175             | 183             | 104                 |             | 187              | 106                  |             | 30-150                 | 2          |             | 30                | A             |
| Dichloroprop   | ND                   | 175             | 196             | 112                 |             | 202              | 115                  |             | 30-150                 | 3          |             | 30                | A             |
| 2,4-D  | ND                   | 175             | 186             | 106                 |             | 213              | 121                  |             | 30-150                 | 14         |             | 30                | A             |
| 2,4-DB   | ND                   | 175             | 170J            | 97                  |             | 211              | 120                  |             | 30-150                 | 22         |             | 30                | A             |
| 2,4,5-T  | ND                   | 175             | 176             | 100                 |             | 180              | 102                  |             | 30-150                 | 2          |             | 30                | A             |
| 2,4,5-TP (Silvex)  | ND                   | 175             | 176             | 100                 |             | 180              | 102                  |             | 30-150                 | 2          |             | 30                | A             |

| <i>Surrogate</i> | <i>MS</i>         |                  | <i>MSD</i>        |                  | <i>Acceptance Criteria</i> | <i>Column</i> |
|------------------|-------------------|------------------|-------------------|------------------|----------------------------|---------------|
|                  | <i>% Recovery</i> | <i>Qualifier</i> | <i>% Recovery</i> | <i>Qualifier</i> |                            |               |
| DCAA             | 121               |                  | 122               |                  | 30-150                     | A             |
| DCAA             | 109               |                  | 109               |                  | 30-150                     | B             |

## METALS

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

## SAMPLE RESULTS

Lab ID: L2231035-01

Date Collected: 06/10/22 09:00

Client ID: FB\_061022

Date Received: 06/10/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

Matrix: Water

| Parameter                           | Result  | Qualifier | Units | RL      | MDL     | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|-------------------------------------|---------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Mansfield Lab</b> |         |           |       |         |         |                 |                |                |             |                   |         |
| Aluminum, Total                     | ND      |           | mg/l  | 0.0100  | 0.00327 | 1               | 06/18/22 07:00 | 06/20/22 18:11 | EPA 3005A   | 1,6020B           | CD      |
| Antimony, Total                     | ND      |           | mg/l  | 0.00400 | 0.00042 | 1               | 06/18/22 07:00 | 06/20/22 18:11 | EPA 3005A   | 1,6020B           | CD      |
| Arsenic, Total                      | ND      |           | mg/l  | 0.00050 | 0.00016 | 1               | 06/18/22 07:00 | 06/20/22 18:11 | EPA 3005A   | 1,6020B           | CD      |
| Barium, Total                       | 0.00027 | J         | mg/l  | 0.00050 | 0.00017 | 1               | 06/18/22 07:00 | 06/20/22 18:11 | EPA 3005A   | 1,6020B           | CD      |
| Beryllium, Total                    | ND      |           | mg/l  | 0.00050 | 0.00010 | 1               | 06/18/22 07:00 | 06/20/22 18:11 | EPA 3005A   | 1,6020B           | CD      |
| Cadmium, Total                      | ND      |           | mg/l  | 0.00020 | 0.00005 | 1               | 06/18/22 07:00 | 06/20/22 18:11 | EPA 3005A   | 1,6020B           | CD      |
| Calcium, Total                      | ND      |           | mg/l  | 0.100   | 0.0394  | 1               | 06/18/22 07:00 | 06/20/22 18:11 | EPA 3005A   | 1,6020B           | CD      |
| Chromium, Total                     | ND      |           | mg/l  | 0.00100 | 0.00017 | 1               | 06/18/22 07:00 | 06/20/22 18:11 | EPA 3005A   | 1,6020B           | CD      |
| Cobalt, Total                       | ND      |           | mg/l  | 0.00050 | 0.00016 | 1               | 06/18/22 07:00 | 06/20/22 18:11 | EPA 3005A   | 1,6020B           | CD      |
| Copper, Total                       | ND      |           | mg/l  | 0.00100 | 0.00038 | 1               | 06/18/22 07:00 | 06/20/22 18:11 | EPA 3005A   | 1,6020B           | CD      |
| Iron, Total                         | ND      |           | mg/l  | 0.0500  | 0.0191  | 1               | 06/18/22 07:00 | 06/20/22 18:11 | EPA 3005A   | 1,6020B           | CD      |
| Lead, Total                         | ND      |           | mg/l  | 0.00100 | 0.00034 | 1               | 06/18/22 07:00 | 06/20/22 18:11 | EPA 3005A   | 1,6020B           | CD      |
| Magnesium, Total                    | ND      |           | mg/l  | 0.0700  | 0.0242  | 1               | 06/18/22 07:00 | 06/20/22 18:11 | EPA 3005A   | 1,6020B           | CD      |
| Manganese, Total                    | ND      |           | mg/l  | 0.00100 | 0.00044 | 1               | 06/18/22 07:00 | 06/20/22 18:11 | EPA 3005A   | 1,6020B           | CD      |
| Mercury, Total                      | ND      |           | mg/l  | 0.00020 | 0.00009 | 1               | 06/18/22 07:40 | 06/23/22 10:24 | EPA 7470A   | 1,7470A           | DMB     |
| Nickel, Total                       | ND      |           | mg/l  | 0.00200 | 0.00055 | 1               | 06/18/22 07:00 | 06/20/22 18:11 | EPA 3005A   | 1,6020B           | CD      |
| Potassium, Total                    | ND      |           | mg/l  | 0.100   | 0.0309  | 1               | 06/18/22 07:00 | 06/20/22 18:11 | EPA 3005A   | 1,6020B           | CD      |
| Selenium, Total                     | ND      |           | mg/l  | 0.00500 | 0.00173 | 1               | 06/18/22 07:00 | 06/20/22 18:11 | EPA 3005A   | 1,6020B           | CD      |
| Silver, Total                       | ND      |           | mg/l  | 0.00040 | 0.00016 | 1               | 06/18/22 07:00 | 06/20/22 18:11 | EPA 3005A   | 1,6020B           | CD      |
| Sodium, Total                       | 0.0840  | J         | mg/l  | 0.100   | 0.0293  | 1               | 06/18/22 07:00 | 06/20/22 18:11 | EPA 3005A   | 1,6020B           | CD      |
| Thallium, Total                     | ND      |           | mg/l  | 0.00100 | 0.00014 | 1               | 06/18/22 07:00 | 06/20/22 18:11 | EPA 3005A   | 1,6020B           | CD      |
| Vanadium, Total                     | ND      |           | mg/l  | 0.00500 | 0.00157 | 1               | 06/18/22 07:00 | 06/20/22 18:11 | EPA 3005A   | 1,6020B           | CD      |
| Zinc, Total                         | ND      |           | mg/l  | 0.01000 | 0.00341 | 1               | 06/18/22 07:00 | 06/20/22 18:11 | EPA 3005A   | 1,6020B           | CD      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231035-02  
 Client ID: SB017 (0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 09:20  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 92%

| Parameter                           | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Mansfield Lab</b> |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total                     | 4650   |           | mg/kg | 8.57  | 2.31  | 2               | 06/18/22 12:00 | 06/24/22 21:39 | EPA 3050B   | 1,6010D           | MC      |
| Antimony, Total                     | ND     |           | mg/kg | 4.29  | 0.326 | 2               | 06/18/22 12:00 | 06/24/22 21:39 | EPA 3050B   | 1,6010D           | MC      |
| Arsenic, Total                      | 8.43   |           | mg/kg | 0.857 | 0.178 | 2               | 06/18/22 12:00 | 06/24/22 21:39 | EPA 3050B   | 1,6010D           | MC      |
| Barium, Total                       | 44.8   |           | mg/kg | 0.857 | 0.149 | 2               | 06/18/22 12:00 | 06/24/22 21:39 | EPA 3050B   | 1,6010D           | MC      |
| Beryllium, Total                    | 0.266  | J         | mg/kg | 0.429 | 0.028 | 2               | 06/18/22 12:00 | 06/24/22 21:39 | EPA 3050B   | 1,6010D           | MC      |
| Cadmium, Total                      | 0.206  | J         | mg/kg | 0.857 | 0.084 | 2               | 06/18/22 12:00 | 06/24/22 21:39 | EPA 3050B   | 1,6010D           | MC      |
| Calcium, Total                      | 32200  |           | mg/kg | 8.57  | 3.00  | 2               | 06/18/22 12:00 | 06/24/22 21:39 | EPA 3050B   | 1,6010D           | MC      |
| Chromium, Total                     | 11.4   |           | mg/kg | 0.857 | 0.082 | 2               | 06/18/22 12:00 | 06/24/22 21:39 | EPA 3050B   | 1,6010D           | MC      |
| Cobalt, Total                       | 4.50   |           | mg/kg | 1.71  | 0.142 | 2               | 06/18/22 12:00 | 06/24/22 21:39 | EPA 3050B   | 1,6010D           | MC      |
| Copper, Total                       | 40.9   |           | mg/kg | 0.857 | 0.221 | 2               | 06/18/22 12:00 | 06/24/22 21:39 | EPA 3050B   | 1,6010D           | MC      |
| Iron, Total                         | 12500  |           | mg/kg | 4.29  | 0.774 | 2               | 06/18/22 12:00 | 06/24/22 21:39 | EPA 3050B   | 1,6010D           | MC      |
| Lead, Total                         | 24.0   |           | mg/kg | 4.29  | 0.230 | 2               | 06/18/22 12:00 | 06/24/22 21:39 | EPA 3050B   | 1,6010D           | MC      |
| Magnesium, Total                    | 2150   |           | mg/kg | 8.57  | 1.32  | 2               | 06/18/22 12:00 | 06/24/22 21:39 | EPA 3050B   | 1,6010D           | MC      |
| Manganese, Total                    | 259    |           | mg/kg | 0.857 | 0.136 | 2               | 06/18/22 12:00 | 06/24/22 21:39 | EPA 3050B   | 1,6010D           | MC      |
| Mercury, Total                      | 0.057  | J         | mg/kg | 0.070 | 0.045 | 1               | 06/18/22 12:30 | 06/23/22 08:29 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                       | 8.98   |           | mg/kg | 2.14  | 0.207 | 2               | 06/18/22 12:00 | 06/24/22 21:39 | EPA 3050B   | 1,6010D           | MC      |
| Potassium, Total                    | 551    |           | mg/kg | 214   | 12.3  | 2               | 06/18/22 12:00 | 06/24/22 21:39 | EPA 3050B   | 1,6010D           | MC      |
| Selenium, Total                     | 0.437  | J         | mg/kg | 1.71  | 0.221 | 2               | 06/18/22 12:00 | 06/24/22 21:39 | EPA 3050B   | 1,6010D           | MC      |
| Silver, Total                       | ND     |           | mg/kg | 0.857 | 0.243 | 2               | 06/18/22 12:00 | 06/24/22 21:39 | EPA 3050B   | 1,6010D           | MC      |
| Sodium, Total                       | 249    |           | mg/kg | 171   | 2.70  | 2               | 06/18/22 12:00 | 06/24/22 21:39 | EPA 3050B   | 1,6010D           | MC      |
| Thallium, Total                     | ND     |           | mg/kg | 1.71  | 0.270 | 2               | 06/18/22 12:00 | 06/24/22 21:39 | EPA 3050B   | 1,6010D           | MC      |
| Vanadium, Total                     | 17.9   |           | mg/kg | 0.857 | 0.174 | 2               | 06/18/22 12:00 | 06/24/22 21:39 | EPA 3050B   | 1,6010D           | MC      |
| Zinc, Total                         | 60.3   |           | mg/kg | 4.29  | 0.251 | 2               | 06/18/22 12:00 | 06/24/22 21:39 | EPA 3050B   | 1,6010D           | MC      |



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

## SAMPLE RESULTS

Lab ID: L2231035-03

Date Collected: 06/10/22 09:30

Client ID: SB017 (2-4)

Date Received: 06/10/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 93%

| Parameter                           | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Mansfield Lab</b> |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total                     | 4420   |           | mg/kg | 8.22  | 2.22  | 2               | 06/18/22 12:00 | 06/24/22 22:40 | EPA 3050B   | 1,6010D           | MC      |
| Antimony, Total                     | ND     |           | mg/kg | 4.11  | 0.312 | 2               | 06/18/22 12:00 | 06/24/22 22:40 | EPA 3050B   | 1,6010D           | MC      |
| Arsenic, Total                      | 13.8   |           | mg/kg | 0.822 | 0.171 | 2               | 06/18/22 12:00 | 06/24/22 22:40 | EPA 3050B   | 1,6010D           | MC      |
| Barium, Total                       | 47.0   |           | mg/kg | 0.822 | 0.143 | 2               | 06/18/22 12:00 | 06/24/22 22:40 | EPA 3050B   | 1,6010D           | MC      |
| Beryllium, Total                    | 0.288  | J         | mg/kg | 0.411 | 0.027 | 2               | 06/18/22 12:00 | 06/24/22 22:40 | EPA 3050B   | 1,6010D           | MC      |
| Cadmium, Total                      | 0.337  | J         | mg/kg | 0.822 | 0.081 | 2               | 06/18/22 12:00 | 06/24/22 22:40 | EPA 3050B   | 1,6010D           | MC      |
| Calcium, Total                      | 3500   |           | mg/kg | 8.22  | 2.88  | 2               | 06/18/22 12:00 | 06/24/22 22:40 | EPA 3050B   | 1,6010D           | MC      |
| Chromium, Total                     | 14.3   |           | mg/kg | 0.822 | 0.079 | 2               | 06/18/22 12:00 | 06/24/22 22:40 | EPA 3050B   | 1,6010D           | MC      |
| Cobalt, Total                       | 4.38   |           | mg/kg | 1.64  | 0.136 | 2               | 06/18/22 12:00 | 06/24/22 22:40 | EPA 3050B   | 1,6010D           | MC      |
| Copper, Total                       | 59.4   |           | mg/kg | 0.822 | 0.212 | 2               | 06/18/22 12:00 | 06/24/22 22:40 | EPA 3050B   | 1,6010D           | MC      |
| Iron, Total                         | 19200  |           | mg/kg | 4.11  | 0.742 | 2               | 06/18/22 12:00 | 06/24/22 22:40 | EPA 3050B   | 1,6010D           | MC      |
| Lead, Total                         | 46.7   |           | mg/kg | 4.11  | 0.220 | 2               | 06/18/22 12:00 | 06/24/22 22:40 | EPA 3050B   | 1,6010D           | MC      |
| Magnesium, Total                    | 1590   |           | mg/kg | 8.22  | 1.26  | 2               | 06/18/22 12:00 | 06/24/22 22:40 | EPA 3050B   | 1,6010D           | MC      |
| Manganese, Total                    | 160    |           | mg/kg | 0.822 | 0.131 | 2               | 06/18/22 12:00 | 06/24/22 22:40 | EPA 3050B   | 1,6010D           | MC      |
| Mercury, Total                      | 0.063  | J         | mg/kg | 0.068 | 0.045 | 1               | 06/18/22 12:30 | 06/23/22 08:32 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                       | 10.3   |           | mg/kg | 2.05  | 0.199 | 2               | 06/18/22 12:00 | 06/24/22 22:40 | EPA 3050B   | 1,6010D           | MC      |
| Potassium, Total                    | 492    |           | mg/kg | 205   | 11.8  | 2               | 06/18/22 12:00 | 06/24/22 22:40 | EPA 3050B   | 1,6010D           | MC      |
| Selenium, Total                     | 0.337  | J         | mg/kg | 1.64  | 0.212 | 2               | 06/18/22 12:00 | 06/24/22 22:40 | EPA 3050B   | 1,6010D           | MC      |
| Silver, Total                       | ND     |           | mg/kg | 0.822 | 0.232 | 2               | 06/18/22 12:00 | 06/24/22 22:40 | EPA 3050B   | 1,6010D           | MC      |
| Sodium, Total                       | 222    |           | mg/kg | 164   | 2.59  | 2               | 06/18/22 12:00 | 06/24/22 22:40 | EPA 3050B   | 1,6010D           | MC      |
| Thallium, Total                     | ND     |           | mg/kg | 1.64  | 0.259 | 2               | 06/18/22 12:00 | 06/24/22 22:40 | EPA 3050B   | 1,6010D           | MC      |
| Vanadium, Total                     | 24.8   |           | mg/kg | 0.822 | 0.167 | 2               | 06/18/22 12:00 | 06/24/22 22:40 | EPA 3050B   | 1,6010D           | MC      |
| Zinc, Total                         | 82.0   |           | mg/kg | 4.11  | 0.241 | 2               | 06/18/22 12:00 | 06/24/22 22:40 | EPA 3050B   | 1,6010D           | MC      |



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

## SAMPLE RESULTS

Lab ID: L2231035-04

Date Collected: 06/10/22 10:00

Client ID: SB016 (0-2)

Date Received: 06/10/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 93%

| Parameter                           | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Mansfield Lab</b> |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total                     | 6900   |           | mg/kg | 8.43  | 2.28  | 2               | 06/18/22 12:00 | 06/24/22 21:43 | EPA 3050B   | 1,6010D           | MC      |
| Antimony, Total                     | ND     |           | mg/kg | 4.22  | 0.320 | 2               | 06/18/22 12:00 | 06/24/22 21:43 | EPA 3050B   | 1,6010D           | MC      |
| Arsenic, Total                      | 1.90   |           | mg/kg | 0.843 | 0.175 | 2               | 06/18/22 12:00 | 06/24/22 21:43 | EPA 3050B   | 1,6010D           | MC      |
| Barium, Total                       | 93.8   |           | mg/kg | 0.843 | 0.147 | 2               | 06/18/22 12:00 | 06/24/22 21:43 | EPA 3050B   | 1,6010D           | MC      |
| Beryllium, Total                    | 0.287  | J         | mg/kg | 0.422 | 0.028 | 2               | 06/18/22 12:00 | 06/24/22 21:43 | EPA 3050B   | 1,6010D           | MC      |
| Cadmium, Total                      | 0.143  | J         | mg/kg | 0.843 | 0.083 | 2               | 06/18/22 12:00 | 06/24/22 21:43 | EPA 3050B   | 1,6010D           | MC      |
| Calcium, Total                      | 15100  |           | mg/kg | 8.43  | 2.95  | 2               | 06/18/22 12:00 | 06/24/22 21:43 | EPA 3050B   | 1,6010D           | MC      |
| Chromium, Total                     | 16.3   |           | mg/kg | 0.843 | 0.081 | 2               | 06/18/22 12:00 | 06/24/22 21:43 | EPA 3050B   | 1,6010D           | MC      |
| Cobalt, Total                       | 4.56   |           | mg/kg | 1.69  | 0.140 | 2               | 06/18/22 12:00 | 06/24/22 21:43 | EPA 3050B   | 1,6010D           | MC      |
| Copper, Total                       | 20.0   |           | mg/kg | 0.843 | 0.218 | 2               | 06/18/22 12:00 | 06/24/22 21:43 | EPA 3050B   | 1,6010D           | MC      |
| Iron, Total                         | 8680   |           | mg/kg | 4.22  | 0.761 | 2               | 06/18/22 12:00 | 06/24/22 21:43 | EPA 3050B   | 1,6010D           | MC      |
| Lead, Total                         | 54.4   |           | mg/kg | 4.22  | 0.226 | 2               | 06/18/22 12:00 | 06/24/22 21:43 | EPA 3050B   | 1,6010D           | MC      |
| Magnesium, Total                    | 2430   |           | mg/kg | 8.43  | 1.30  | 2               | 06/18/22 12:00 | 06/24/22 21:43 | EPA 3050B   | 1,6010D           | MC      |
| Manganese, Total                    | 132    |           | mg/kg | 0.843 | 0.134 | 2               | 06/18/22 12:00 | 06/24/22 21:43 | EPA 3050B   | 1,6010D           | MC      |
| Mercury, Total                      | ND     |           | mg/kg | 0.069 | 0.045 | 1               | 06/18/22 12:30 | 06/23/22 08:09 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                       | 10.0   |           | mg/kg | 2.11  | 0.204 | 2               | 06/18/22 12:00 | 06/24/22 21:43 | EPA 3050B   | 1,6010D           | MC      |
| Potassium, Total                    | 809    |           | mg/kg | 211   | 12.1  | 2               | 06/18/22 12:00 | 06/24/22 21:43 | EPA 3050B   | 1,6010D           | MC      |
| Selenium, Total                     | ND     |           | mg/kg | 1.69  | 0.218 | 2               | 06/18/22 12:00 | 06/24/22 21:43 | EPA 3050B   | 1,6010D           | MC      |
| Silver, Total                       | ND     |           | mg/kg | 0.843 | 0.239 | 2               | 06/18/22 12:00 | 06/24/22 21:43 | EPA 3050B   | 1,6010D           | MC      |
| Sodium, Total                       | 135    | J         | mg/kg | 169   | 2.66  | 2               | 06/18/22 12:00 | 06/24/22 21:43 | EPA 3050B   | 1,6010D           | MC      |
| Thallium, Total                     | ND     |           | mg/kg | 1.69  | 0.266 | 2               | 06/18/22 12:00 | 06/24/22 21:43 | EPA 3050B   | 1,6010D           | MC      |
| Vanadium, Total                     | 21.5   |           | mg/kg | 0.843 | 0.171 | 2               | 06/18/22 12:00 | 06/24/22 21:43 | EPA 3050B   | 1,6010D           | MC      |
| Zinc, Total                         | 60.8   |           | mg/kg | 4.22  | 0.247 | 2               | 06/18/22 12:00 | 06/24/22 21:43 | EPA 3050B   | 1,6010D           | MC      |



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

## SAMPLE RESULTS

Lab ID: L2231035-05

Date Collected: 06/10/22 10:10

Client ID: SB016 (2-4)

Date Received: 06/10/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 90%

| Parameter                           | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Mansfield Lab</b> |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total                     | 5760   |           | mg/kg | 8.68  | 2.34  | 2               | 06/18/22 12:00 | 06/24/22 22:44 | EPA 3050B   | 1,6010D           | MC      |
| Antimony, Total                     | 1.55   | J         | mg/kg | 4.34  | 0.330 | 2               | 06/18/22 12:00 | 06/24/22 22:44 | EPA 3050B   | 1,6010D           | MC      |
| Arsenic, Total                      | 11.0   |           | mg/kg | 0.868 | 0.181 | 2               | 06/18/22 12:00 | 06/24/22 22:44 | EPA 3050B   | 1,6010D           | MC      |
| Barium, Total                       | 180    |           | mg/kg | 0.868 | 0.151 | 2               | 06/18/22 12:00 | 06/24/22 22:44 | EPA 3050B   | 1,6010D           | MC      |
| Beryllium, Total                    | 0.286  | J         | mg/kg | 0.434 | 0.029 | 2               | 06/18/22 12:00 | 06/24/22 22:44 | EPA 3050B   | 1,6010D           | MC      |
| Cadmium, Total                      | 0.556  | J         | mg/kg | 0.868 | 0.085 | 2               | 06/18/22 12:00 | 06/24/22 22:44 | EPA 3050B   | 1,6010D           | MC      |
| Calcium, Total                      | 53400  |           | mg/kg | 8.68  | 3.04  | 2               | 06/18/22 12:00 | 06/24/22 22:44 | EPA 3050B   | 1,6010D           | MC      |
| Chromium, Total                     | 25.3   |           | mg/kg | 0.868 | 0.083 | 2               | 06/18/22 12:00 | 06/24/22 22:44 | EPA 3050B   | 1,6010D           | MC      |
| Cobalt, Total                       | 5.27   |           | mg/kg | 1.74  | 0.144 | 2               | 06/18/22 12:00 | 06/24/22 22:44 | EPA 3050B   | 1,6010D           | MC      |
| Copper, Total                       | 79.9   |           | mg/kg | 0.868 | 0.224 | 2               | 06/18/22 12:00 | 06/24/22 22:44 | EPA 3050B   | 1,6010D           | MC      |
| Iron, Total                         | 23300  |           | mg/kg | 4.34  | 0.784 | 2               | 06/18/22 12:00 | 06/24/22 22:44 | EPA 3050B   | 1,6010D           | MC      |
| Lead, Total                         | 142    |           | mg/kg | 4.34  | 0.233 | 2               | 06/18/22 12:00 | 06/24/22 22:44 | EPA 3050B   | 1,6010D           | MC      |
| Magnesium, Total                    | 2320   |           | mg/kg | 8.68  | 1.34  | 2               | 06/18/22 12:00 | 06/24/22 22:44 | EPA 3050B   | 1,6010D           | MC      |
| Manganese, Total                    | 263    |           | mg/kg | 0.868 | 0.138 | 2               | 06/18/22 12:00 | 06/24/22 22:44 | EPA 3050B   | 1,6010D           | MC      |
| Mercury, Total                      | 0.144  |           | mg/kg | 0.071 | 0.046 | 1               | 06/18/22 12:30 | 06/23/22 08:35 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                       | 15.2   |           | mg/kg | 2.17  | 0.210 | 2               | 06/18/22 12:00 | 06/24/22 22:44 | EPA 3050B   | 1,6010D           | MC      |
| Potassium, Total                    | 947    |           | mg/kg | 217   | 12.5  | 2               | 06/18/22 12:00 | 06/24/22 22:44 | EPA 3050B   | 1,6010D           | MC      |
| Selenium, Total                     | 0.365  | J         | mg/kg | 1.74  | 0.224 | 2               | 06/18/22 12:00 | 06/24/22 22:44 | EPA 3050B   | 1,6010D           | MC      |
| Silver, Total                       | ND     |           | mg/kg | 0.868 | 0.246 | 2               | 06/18/22 12:00 | 06/24/22 22:44 | EPA 3050B   | 1,6010D           | MC      |
| Sodium, Total                       | 243    |           | mg/kg | 174   | 2.74  | 2               | 06/18/22 12:00 | 06/24/22 22:44 | EPA 3050B   | 1,6010D           | MC      |
| Thallium, Total                     | ND     |           | mg/kg | 1.74  | 0.274 | 2               | 06/18/22 12:00 | 06/24/22 22:44 | EPA 3050B   | 1,6010D           | MC      |
| Vanadium, Total                     | 31.0   |           | mg/kg | 0.868 | 0.176 | 2               | 06/18/22 12:00 | 06/24/22 22:44 | EPA 3050B   | 1,6010D           | MC      |
| Zinc, Total                         | 267    |           | mg/kg | 4.34  | 0.254 | 2               | 06/18/22 12:00 | 06/24/22 22:44 | EPA 3050B   | 1,6010D           | MC      |





Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

## SAMPLE RESULTS

Lab ID: L2231035-06

Date Collected: 06/10/22 11:30

Client ID: SB012 (0-2)

Date Received: 06/10/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 95%

| Parameter                           | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Mansfield Lab</b> |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total                     | 4890   |           | mg/kg | 8.26  | 2.23  | 2               | 06/18/22 12:00 | 06/24/22 22:49 | EPA 3050B   | 1,6010D           | MC      |
| Antimony, Total                     | ND     |           | mg/kg | 4.13  | 0.314 | 2               | 06/18/22 12:00 | 06/24/22 22:49 | EPA 3050B   | 1,6010D           | MC      |
| Arsenic, Total                      | 2.11   |           | mg/kg | 0.826 | 0.172 | 2               | 06/18/22 12:00 | 06/24/22 22:49 | EPA 3050B   | 1,6010D           | MC      |
| Barium, Total                       | 32.1   |           | mg/kg | 0.826 | 0.144 | 2               | 06/18/22 12:00 | 06/24/22 22:49 | EPA 3050B   | 1,6010D           | MC      |
| Beryllium, Total                    | 0.256  | J         | mg/kg | 0.413 | 0.027 | 2               | 06/18/22 12:00 | 06/24/22 22:49 | EPA 3050B   | 1,6010D           | MC      |
| Cadmium, Total                      | 0.190  | J         | mg/kg | 0.826 | 0.081 | 2               | 06/18/22 12:00 | 06/24/22 22:49 | EPA 3050B   | 1,6010D           | MC      |
| Calcium, Total                      | 15900  |           | mg/kg | 8.26  | 2.89  | 2               | 06/18/22 12:00 | 06/24/22 22:49 | EPA 3050B   | 1,6010D           | MC      |
| Chromium, Total                     | 13.7   |           | mg/kg | 0.826 | 0.079 | 2               | 06/18/22 12:00 | 06/24/22 22:49 | EPA 3050B   | 1,6010D           | MC      |
| Cobalt, Total                       | 6.57   |           | mg/kg | 1.65  | 0.137 | 2               | 06/18/22 12:00 | 06/24/22 22:49 | EPA 3050B   | 1,6010D           | MC      |
| Copper, Total                       | 38.2   |           | mg/kg | 0.826 | 0.213 | 2               | 06/18/22 12:00 | 06/24/22 22:49 | EPA 3050B   | 1,6010D           | MC      |
| Iron, Total                         | 13200  |           | mg/kg | 4.13  | 0.746 | 2               | 06/18/22 12:00 | 06/24/22 22:49 | EPA 3050B   | 1,6010D           | MC      |
| Lead, Total                         | 20.2   |           | mg/kg | 4.13  | 0.221 | 2               | 06/18/22 12:00 | 06/24/22 22:49 | EPA 3050B   | 1,6010D           | MC      |
| Magnesium, Total                    | 9640   |           | mg/kg | 8.26  | 1.27  | 2               | 06/18/22 12:00 | 06/24/22 22:49 | EPA 3050B   | 1,6010D           | MC      |
| Manganese, Total                    | 254    |           | mg/kg | 0.826 | 0.131 | 2               | 06/18/22 12:00 | 06/24/22 22:49 | EPA 3050B   | 1,6010D           | MC      |
| Mercury, Total                      | ND     |           | mg/kg | 0.067 | 0.043 | 1               | 06/18/22 12:30 | 06/23/22 08:45 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                       | 11.9   |           | mg/kg | 2.06  | 0.200 | 2               | 06/18/22 12:00 | 06/24/22 22:49 | EPA 3050B   | 1,6010D           | MC      |
| Potassium, Total                    | 804    |           | mg/kg | 206   | 11.9  | 2               | 06/18/22 12:00 | 06/24/22 22:49 | EPA 3050B   | 1,6010D           | MC      |
| Selenium, Total                     | ND     |           | mg/kg | 1.65  | 0.213 | 2               | 06/18/22 12:00 | 06/24/22 22:49 | EPA 3050B   | 1,6010D           | MC      |
| Silver, Total                       | ND     |           | mg/kg | 0.826 | 0.234 | 2               | 06/18/22 12:00 | 06/24/22 22:49 | EPA 3050B   | 1,6010D           | MC      |
| Sodium, Total                       | 123    | J         | mg/kg | 165   | 2.60  | 2               | 06/18/22 12:00 | 06/24/22 22:49 | EPA 3050B   | 1,6010D           | MC      |
| Thallium, Total                     | ND     |           | mg/kg | 1.65  | 0.260 | 2               | 06/18/22 12:00 | 06/24/22 22:49 | EPA 3050B   | 1,6010D           | MC      |
| Vanadium, Total                     | 28.4   |           | mg/kg | 0.826 | 0.168 | 2               | 06/18/22 12:00 | 06/24/22 22:49 | EPA 3050B   | 1,6010D           | MC      |
| Zinc, Total                         | 42.6   |           | mg/kg | 4.13  | 0.242 | 2               | 06/18/22 12:00 | 06/24/22 22:49 | EPA 3050B   | 1,6010D           | MC      |



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

## SAMPLE RESULTS

Lab ID: L2231035-07

Date Collected: 06/10/22 12:00

Client ID: DUP\_061022

Date Received: 06/10/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

| Parameter                           | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Mansfield Lab</b> |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total                     | 5380   |           | mg/kg | 8.82  | 2.38  | 2               | 06/18/22 12:00 | 06/24/22 22:54 | EPA 3050B   | 1,6010D           | MC      |
| Antimony, Total                     | ND     |           | mg/kg | 4.41  | 0.335 | 2               | 06/18/22 12:00 | 06/24/22 22:54 | EPA 3050B   | 1,6010D           | MC      |
| Arsenic, Total                      | 9.25   |           | mg/kg | 0.882 | 0.183 | 2               | 06/18/22 12:00 | 06/24/22 22:54 | EPA 3050B   | 1,6010D           | MC      |
| Barium, Total                       | 54.6   |           | mg/kg | 0.882 | 0.153 | 2               | 06/18/22 12:00 | 06/24/22 22:54 | EPA 3050B   | 1,6010D           | MC      |
| Beryllium, Total                    | 0.264  | J         | mg/kg | 0.441 | 0.029 | 2               | 06/18/22 12:00 | 06/24/22 22:54 | EPA 3050B   | 1,6010D           | MC      |
| Cadmium, Total                      | 0.335  | J         | mg/kg | 0.882 | 0.086 | 2               | 06/18/22 12:00 | 06/24/22 22:54 | EPA 3050B   | 1,6010D           | MC      |
| Calcium, Total                      | 1780   |           | mg/kg | 8.82  | 3.09  | 2               | 06/18/22 12:00 | 06/24/22 22:54 | EPA 3050B   | 1,6010D           | MC      |
| Chromium, Total                     | 10.6   |           | mg/kg | 0.882 | 0.085 | 2               | 06/18/22 12:00 | 06/24/22 22:54 | EPA 3050B   | 1,6010D           | MC      |
| Cobalt, Total                       | 4.14   |           | mg/kg | 1.76  | 0.146 | 2               | 06/18/22 12:00 | 06/24/22 22:54 | EPA 3050B   | 1,6010D           | MC      |
| Copper, Total                       | 27.1   |           | mg/kg | 0.882 | 0.227 | 2               | 06/18/22 12:00 | 06/24/22 22:54 | EPA 3050B   | 1,6010D           | MC      |
| Iron, Total                         | 10400  |           | mg/kg | 4.41  | 0.796 | 2               | 06/18/22 12:00 | 06/24/22 22:54 | EPA 3050B   | 1,6010D           | MC      |
| Lead, Total                         | 37.3   |           | mg/kg | 4.41  | 0.236 | 2               | 06/18/22 12:00 | 06/24/22 22:54 | EPA 3050B   | 1,6010D           | MC      |
| Magnesium, Total                    | 1370   |           | mg/kg | 8.82  | 1.36  | 2               | 06/18/22 12:00 | 06/24/22 22:54 | EPA 3050B   | 1,6010D           | MC      |
| Manganese, Total                    | 174    |           | mg/kg | 0.882 | 0.140 | 2               | 06/18/22 12:00 | 06/24/22 22:54 | EPA 3050B   | 1,6010D           | MC      |
| Mercury, Total                      | 0.078  |           | mg/kg | 0.072 | 0.047 | 1               | 06/18/22 12:30 | 06/23/22 08:48 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                       | 9.89   |           | mg/kg | 2.20  | 0.213 | 2               | 06/18/22 12:00 | 06/24/22 22:54 | EPA 3050B   | 1,6010D           | MC      |
| Potassium, Total                    | 493    |           | mg/kg | 220   | 12.7  | 2               | 06/18/22 12:00 | 06/24/22 22:54 | EPA 3050B   | 1,6010D           | MC      |
| Selenium, Total                     | 0.529  | J         | mg/kg | 1.76  | 0.227 | 2               | 06/18/22 12:00 | 06/24/22 22:54 | EPA 3050B   | 1,6010D           | MC      |
| Silver, Total                       | ND     |           | mg/kg | 0.882 | 0.250 | 2               | 06/18/22 12:00 | 06/24/22 22:54 | EPA 3050B   | 1,6010D           | MC      |
| Sodium, Total                       | 56.8   | J         | mg/kg | 176   | 2.78  | 2               | 06/18/22 12:00 | 06/24/22 22:54 | EPA 3050B   | 1,6010D           | MC      |
| Thallium, Total                     | ND     |           | mg/kg | 1.76  | 0.278 | 2               | 06/18/22 12:00 | 06/24/22 22:54 | EPA 3050B   | 1,6010D           | MC      |
| Vanadium, Total                     | 14.6   |           | mg/kg | 0.882 | 0.179 | 2               | 06/18/22 12:00 | 06/24/22 22:54 | EPA 3050B   | 1,6010D           | MC      |
| Zinc, Total                         | 116    |           | mg/kg | 4.41  | 0.258 | 2               | 06/18/22 12:00 | 06/24/22 22:54 | EPA 3050B   | 1,6010D           | MC      |



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

## SAMPLE RESULTS

Lab ID: L2231035-08  
 Client ID: SB012 (12-14)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 12:30  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 93%

| Parameter                           | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Mansfield Lab</b> |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total                     | 4140   |           | mg/kg | 8.30  | 2.24  | 2               | 06/18/22 12:00 | 06/24/22 22:58 | EPA 3050B   | 1,6010D           | MC      |
| Antimony, Total                     | 2.70   | J         | mg/kg | 4.15  | 0.315 | 2               | 06/18/22 12:00 | 06/24/22 22:58 | EPA 3050B   | 1,6010D           | MC      |
| Arsenic, Total                      | 23.3   |           | mg/kg | 0.830 | 0.172 | 2               | 06/18/22 12:00 | 06/24/22 22:58 | EPA 3050B   | 1,6010D           | MC      |
| Barium, Total                       | 738    |           | mg/kg | 0.830 | 0.144 | 2               | 06/18/22 12:00 | 06/24/22 22:58 | EPA 3050B   | 1,6010D           | MC      |
| Beryllium, Total                    | 0.382  | J         | mg/kg | 0.415 | 0.027 | 2               | 06/18/22 12:00 | 06/24/22 22:58 | EPA 3050B   | 1,6010D           | MC      |
| Cadmium, Total                      | 2.99   |           | mg/kg | 0.830 | 0.081 | 2               | 06/18/22 12:00 | 06/24/22 22:58 | EPA 3050B   | 1,6010D           | MC      |
| Calcium, Total                      | 1830   |           | mg/kg | 8.30  | 2.90  | 2               | 06/18/22 12:00 | 06/24/22 22:58 | EPA 3050B   | 1,6010D           | MC      |
| Chromium, Total                     | 23.1   |           | mg/kg | 0.830 | 0.080 | 2               | 06/18/22 12:00 | 06/24/22 22:58 | EPA 3050B   | 1,6010D           | MC      |
| Cobalt, Total                       | 4.75   |           | mg/kg | 1.66  | 0.138 | 2               | 06/18/22 12:00 | 06/24/22 22:58 | EPA 3050B   | 1,6010D           | MC      |
| Copper, Total                       | 257    |           | mg/kg | 0.830 | 0.214 | 2               | 06/18/22 12:00 | 06/24/22 22:58 | EPA 3050B   | 1,6010D           | MC      |
| Iron, Total                         | 21700  |           | mg/kg | 4.15  | 0.749 | 2               | 06/18/22 12:00 | 06/24/22 22:58 | EPA 3050B   | 1,6010D           | MC      |
| Lead, Total                         | 609    |           | mg/kg | 4.15  | 0.222 | 2               | 06/18/22 12:00 | 06/24/22 22:58 | EPA 3050B   | 1,6010D           | MC      |
| Magnesium, Total                    | 1170   |           | mg/kg | 8.30  | 1.28  | 2               | 06/18/22 12:00 | 06/24/22 22:58 | EPA 3050B   | 1,6010D           | MC      |
| Manganese, Total                    | 89.7   |           | mg/kg | 0.830 | 0.132 | 2               | 06/18/22 12:00 | 06/24/22 22:58 | EPA 3050B   | 1,6010D           | MC      |
| Mercury, Total                      | 0.308  |           | mg/kg | 0.069 | 0.045 | 1               | 06/18/22 12:30 | 06/23/22 08:52 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                       | 36.2   |           | mg/kg | 2.07  | 0.201 | 2               | 06/18/22 12:00 | 06/24/22 22:58 | EPA 3050B   | 1,6010D           | MC      |
| Potassium, Total                    | 398    |           | mg/kg | 207   | 11.9  | 2               | 06/18/22 12:00 | 06/24/22 22:58 | EPA 3050B   | 1,6010D           | MC      |
| Selenium, Total                     | 1.51   | J         | mg/kg | 1.66  | 0.214 | 2               | 06/18/22 12:00 | 06/24/22 22:58 | EPA 3050B   | 1,6010D           | MC      |
| Silver, Total                       | 0.788  | J         | mg/kg | 0.830 | 0.235 | 2               | 06/18/22 12:00 | 06/24/22 22:58 | EPA 3050B   | 1,6010D           | MC      |
| Sodium, Total                       | 109    | J         | mg/kg | 166   | 2.61  | 2               | 06/18/22 12:00 | 06/24/22 22:58 | EPA 3050B   | 1,6010D           | MC      |
| Thallium, Total                     | ND     |           | mg/kg | 1.66  | 0.261 | 2               | 06/18/22 12:00 | 06/24/22 22:58 | EPA 3050B   | 1,6010D           | MC      |
| Vanadium, Total                     | 153    |           | mg/kg | 0.830 | 0.168 | 2               | 06/18/22 12:00 | 06/24/22 22:58 | EPA 3050B   | 1,6010D           | MC      |
| Zinc, Total                         | 602    |           | mg/kg | 4.15  | 0.243 | 2               | 06/18/22 12:00 | 06/24/22 22:58 | EPA 3050B   | 1,6010D           | MC      |



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

## SAMPLE RESULTS

Lab ID: L2231035-09  
 Client ID: SB012 (15-17)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 12:40  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 97%

| Parameter                           | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Mansfield Lab</b> |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total                     | 3570   |           | mg/kg | 7.98  | 2.15  | 2               | 06/18/22 12:00 | 06/24/22 23:03 | EPA 3050B   | 1,6010D           | MC      |
| Antimony, Total                     | ND     |           | mg/kg | 3.99  | 0.303 | 2               | 06/18/22 12:00 | 06/24/22 23:03 | EPA 3050B   | 1,6010D           | MC      |
| Arsenic, Total                      | 0.463  | J         | mg/kg | 0.798 | 0.166 | 2               | 06/18/22 12:00 | 06/24/22 23:03 | EPA 3050B   | 1,6010D           | MC      |
| Barium, Total                       | 17.0   |           | mg/kg | 0.798 | 0.139 | 2               | 06/18/22 12:00 | 06/24/22 23:03 | EPA 3050B   | 1,6010D           | MC      |
| Beryllium, Total                    | 0.136  | J         | mg/kg | 0.399 | 0.026 | 2               | 06/18/22 12:00 | 06/24/22 23:03 | EPA 3050B   | 1,6010D           | MC      |
| Cadmium, Total                      | ND     |           | mg/kg | 0.798 | 0.078 | 2               | 06/18/22 12:00 | 06/24/22 23:03 | EPA 3050B   | 1,6010D           | MC      |
| Calcium, Total                      | 678    |           | mg/kg | 7.98  | 2.79  | 2               | 06/18/22 12:00 | 06/24/22 23:03 | EPA 3050B   | 1,6010D           | MC      |
| Chromium, Total                     | 12.9   |           | mg/kg | 0.798 | 0.077 | 2               | 06/18/22 12:00 | 06/24/22 23:03 | EPA 3050B   | 1,6010D           | MC      |
| Cobalt, Total                       | 3.08   |           | mg/kg | 1.60  | 0.132 | 2               | 06/18/22 12:00 | 06/24/22 23:03 | EPA 3050B   | 1,6010D           | MC      |
| Copper, Total                       | 7.20   |           | mg/kg | 0.798 | 0.206 | 2               | 06/18/22 12:00 | 06/24/22 23:03 | EPA 3050B   | 1,6010D           | MC      |
| Iron, Total                         | 3960   |           | mg/kg | 3.99  | 0.720 | 2               | 06/18/22 12:00 | 06/24/22 23:03 | EPA 3050B   | 1,6010D           | MC      |
| Lead, Total                         | 2.34   | J         | mg/kg | 3.99  | 0.214 | 2               | 06/18/22 12:00 | 06/24/22 23:03 | EPA 3050B   | 1,6010D           | MC      |
| Magnesium, Total                    | 1240   |           | mg/kg | 7.98  | 1.23  | 2               | 06/18/22 12:00 | 06/24/22 23:03 | EPA 3050B   | 1,6010D           | MC      |
| Manganese, Total                    | 30.5   |           | mg/kg | 0.798 | 0.127 | 2               | 06/18/22 12:00 | 06/24/22 23:03 | EPA 3050B   | 1,6010D           | MC      |
| Mercury, Total                      | ND     |           | mg/kg | 0.066 | 0.043 | 1               | 06/18/22 12:30 | 06/23/22 08:55 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                       | 7.69   |           | mg/kg | 1.99  | 0.193 | 2               | 06/18/22 12:00 | 06/24/22 23:03 | EPA 3050B   | 1,6010D           | MC      |
| Potassium, Total                    | 388    |           | mg/kg | 199   | 11.5  | 2               | 06/18/22 12:00 | 06/24/22 23:03 | EPA 3050B   | 1,6010D           | MC      |
| Selenium, Total                     | ND     |           | mg/kg | 1.60  | 0.206 | 2               | 06/18/22 12:00 | 06/24/22 23:03 | EPA 3050B   | 1,6010D           | MC      |
| Silver, Total                       | ND     |           | mg/kg | 0.798 | 0.226 | 2               | 06/18/22 12:00 | 06/24/22 23:03 | EPA 3050B   | 1,6010D           | MC      |
| Sodium, Total                       | 40.6   | J         | mg/kg | 160   | 2.51  | 2               | 06/18/22 12:00 | 06/24/22 23:03 | EPA 3050B   | 1,6010D           | MC      |
| Thallium, Total                     | ND     |           | mg/kg | 1.60  | 0.251 | 2               | 06/18/22 12:00 | 06/24/22 23:03 | EPA 3050B   | 1,6010D           | MC      |
| Vanadium, Total                     | 14.5   |           | mg/kg | 0.798 | 0.162 | 2               | 06/18/22 12:00 | 06/24/22 23:03 | EPA 3050B   | 1,6010D           | MC      |
| Zinc, Total                         | 19.8   |           | mg/kg | 3.99  | 0.234 | 2               | 06/18/22 12:00 | 06/24/22 23:03 | EPA 3050B   | 1,6010D           | MC      |



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

## SAMPLE RESULTS

Lab ID: L2231035-11  
 Client ID: SB013 (0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 14:10  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 90%

| Parameter                           | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Mansfield Lab</b> |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total                     | 5720   |           | mg/kg | 8.64  | 2.33  | 2               | 06/18/22 12:00 | 06/24/22 23:07 | EPA 3050B   | 1,6010D           | MC      |
| Antimony, Total                     | ND     |           | mg/kg | 4.32  | 0.328 | 2               | 06/18/22 12:00 | 06/24/22 23:07 | EPA 3050B   | 1,6010D           | MC      |
| Arsenic, Total                      | 5.19   |           | mg/kg | 0.864 | 0.180 | 2               | 06/18/22 12:00 | 06/24/22 23:07 | EPA 3050B   | 1,6010D           | MC      |
| Barium, Total                       | 232    |           | mg/kg | 0.864 | 0.150 | 2               | 06/18/22 12:00 | 06/24/22 23:07 | EPA 3050B   | 1,6010D           | MC      |
| Beryllium, Total                    | 0.302  | J         | mg/kg | 0.432 | 0.029 | 2               | 06/18/22 12:00 | 06/24/22 23:07 | EPA 3050B   | 1,6010D           | MC      |
| Cadmium, Total                      | 0.605  | J         | mg/kg | 0.864 | 0.085 | 2               | 06/18/22 12:00 | 06/24/22 23:07 | EPA 3050B   | 1,6010D           | MC      |
| Calcium, Total                      | 16700  |           | mg/kg | 8.64  | 3.02  | 2               | 06/18/22 12:00 | 06/24/22 23:07 | EPA 3050B   | 1,6010D           | MC      |
| Chromium, Total                     | 21.9   |           | mg/kg | 0.864 | 0.083 | 2               | 06/18/22 12:00 | 06/24/22 23:07 | EPA 3050B   | 1,6010D           | MC      |
| Cobalt, Total                       | 6.34   |           | mg/kg | 1.73  | 0.143 | 2               | 06/18/22 12:00 | 06/24/22 23:07 | EPA 3050B   | 1,6010D           | MC      |
| Copper, Total                       | 128    |           | mg/kg | 0.864 | 0.223 | 2               | 06/18/22 12:00 | 06/24/22 23:07 | EPA 3050B   | 1,6010D           | MC      |
| Iron, Total                         | 16700  |           | mg/kg | 4.32  | 0.780 | 2               | 06/18/22 12:00 | 06/24/22 23:07 | EPA 3050B   | 1,6010D           | MC      |
| Lead, Total                         | 356    |           | mg/kg | 4.32  | 0.232 | 2               | 06/18/22 12:00 | 06/24/22 23:07 | EPA 3050B   | 1,6010D           | MC      |
| Magnesium, Total                    | 3190   |           | mg/kg | 8.64  | 1.33  | 2               | 06/18/22 12:00 | 06/24/22 23:07 | EPA 3050B   | 1,6010D           | MC      |
| Manganese, Total                    | 207    |           | mg/kg | 0.864 | 0.137 | 2               | 06/18/22 12:00 | 06/24/22 23:07 | EPA 3050B   | 1,6010D           | MC      |
| Mercury, Total                      | 0.434  |           | mg/kg | 0.070 | 0.046 | 1               | 06/18/22 12:30 | 06/23/22 08:58 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                       | 17.9   |           | mg/kg | 2.16  | 0.209 | 2               | 06/18/22 12:00 | 06/24/22 23:07 | EPA 3050B   | 1,6010D           | MC      |
| Potassium, Total                    | 1070   |           | mg/kg | 216   | 12.4  | 2               | 06/18/22 12:00 | 06/24/22 23:07 | EPA 3050B   | 1,6010D           | MC      |
| Selenium, Total                     | 0.251  | J         | mg/kg | 1.73  | 0.223 | 2               | 06/18/22 12:00 | 06/24/22 23:07 | EPA 3050B   | 1,6010D           | MC      |
| Silver, Total                       | ND     |           | mg/kg | 0.864 | 0.244 | 2               | 06/18/22 12:00 | 06/24/22 23:07 | EPA 3050B   | 1,6010D           | MC      |
| Sodium, Total                       | 140    | J         | mg/kg | 173   | 2.72  | 2               | 06/18/22 12:00 | 06/24/22 23:07 | EPA 3050B   | 1,6010D           | MC      |
| Thallium, Total                     | ND     |           | mg/kg | 1.73  | 0.272 | 2               | 06/18/22 12:00 | 06/24/22 23:07 | EPA 3050B   | 1,6010D           | MC      |
| Vanadium, Total                     | 21.7   |           | mg/kg | 0.864 | 0.175 | 2               | 06/18/22 12:00 | 06/24/22 23:07 | EPA 3050B   | 1,6010D           | MC      |
| Zinc, Total                         | 282    |           | mg/kg | 4.32  | 0.253 | 2               | 06/18/22 12:00 | 06/24/22 23:07 | EPA 3050B   | 1,6010D           | MC      |



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

## SAMPLE RESULTS

Lab ID: L2231035-12

Date Collected: 06/10/22 14:40

Client ID: SB013 (6-8)

Date Received: 06/10/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 93%

| Parameter                           | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Mansfield Lab</b> |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total                     | 10800  |           | mg/kg | 8.54  | 2.31  | 2               | 06/18/22 12:00 | 06/24/22 23:12 | EPA 3050B   | 1,6010D           | MC      |
| Antimony, Total                     | ND     |           | mg/kg | 4.27  | 0.325 | 2               | 06/18/22 12:00 | 06/24/22 23:12 | EPA 3050B   | 1,6010D           | MC      |
| Arsenic, Total                      | 7.75   |           | mg/kg | 0.854 | 0.178 | 2               | 06/18/22 12:00 | 06/24/22 23:12 | EPA 3050B   | 1,6010D           | MC      |
| Barium, Total                       | 117    |           | mg/kg | 0.854 | 0.149 | 2               | 06/18/22 12:00 | 06/24/22 23:12 | EPA 3050B   | 1,6010D           | MC      |
| Beryllium, Total                    | 0.606  |           | mg/kg | 0.427 | 0.028 | 2               | 06/18/22 12:00 | 06/24/22 23:12 | EPA 3050B   | 1,6010D           | MC      |
| Cadmium, Total                      | 0.496  | J         | mg/kg | 0.854 | 0.084 | 2               | 06/18/22 12:00 | 06/24/22 23:12 | EPA 3050B   | 1,6010D           | MC      |
| Calcium, Total                      | 5530   |           | mg/kg | 8.54  | 2.99  | 2               | 06/18/22 12:00 | 06/24/22 23:12 | EPA 3050B   | 1,6010D           | MC      |
| Chromium, Total                     | 25.8   |           | mg/kg | 0.854 | 0.082 | 2               | 06/18/22 12:00 | 06/24/22 23:12 | EPA 3050B   | 1,6010D           | MC      |
| Cobalt, Total                       | 7.21   |           | mg/kg | 1.71  | 0.142 | 2               | 06/18/22 12:00 | 06/24/22 23:12 | EPA 3050B   | 1,6010D           | MC      |
| Copper, Total                       | 76.9   |           | mg/kg | 0.854 | 0.220 | 2               | 06/18/22 12:00 | 06/24/22 23:12 | EPA 3050B   | 1,6010D           | MC      |
| Iron, Total                         | 17900  |           | mg/kg | 4.27  | 0.771 | 2               | 06/18/22 12:00 | 06/24/22 23:12 | EPA 3050B   | 1,6010D           | MC      |
| Lead, Total                         | 200    |           | mg/kg | 4.27  | 0.229 | 2               | 06/18/22 12:00 | 06/24/22 23:12 | EPA 3050B   | 1,6010D           | MC      |
| Magnesium, Total                    | 3040   |           | mg/kg | 8.54  | 1.32  | 2               | 06/18/22 12:00 | 06/24/22 23:12 | EPA 3050B   | 1,6010D           | MC      |
| Manganese, Total                    | 213    |           | mg/kg | 0.854 | 0.136 | 2               | 06/18/22 12:00 | 06/24/22 23:12 | EPA 3050B   | 1,6010D           | MC      |
| Mercury, Total                      | 1.34   |           | mg/kg | 0.068 | 0.044 | 1               | 06/18/22 12:30 | 06/23/22 09:02 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                       | 19.7   |           | mg/kg | 2.14  | 0.207 | 2               | 06/18/22 12:00 | 06/24/22 23:12 | EPA 3050B   | 1,6010D           | MC      |
| Potassium, Total                    | 1250   |           | mg/kg | 214   | 12.3  | 2               | 06/18/22 12:00 | 06/24/22 23:12 | EPA 3050B   | 1,6010D           | MC      |
| Selenium, Total                     | 0.384  | J         | mg/kg | 1.71  | 0.220 | 2               | 06/18/22 12:00 | 06/24/22 23:12 | EPA 3050B   | 1,6010D           | MC      |
| Silver, Total                       | 0.384  | J         | mg/kg | 0.854 | 0.242 | 2               | 06/18/22 12:00 | 06/24/22 23:12 | EPA 3050B   | 1,6010D           | MC      |
| Sodium, Total                       | 173    |           | mg/kg | 171   | 2.69  | 2               | 06/18/22 12:00 | 06/24/22 23:12 | EPA 3050B   | 1,6010D           | MC      |
| Thallium, Total                     | ND     |           | mg/kg | 1.71  | 0.269 | 2               | 06/18/22 12:00 | 06/24/22 23:12 | EPA 3050B   | 1,6010D           | MC      |
| Vanadium, Total                     | 25.5   |           | mg/kg | 0.854 | 0.173 | 2               | 06/18/22 12:00 | 06/24/22 23:12 | EPA 3050B   | 1,6010D           | MC      |
| Zinc, Total                         | 228    |           | mg/kg | 4.27  | 0.250 | 2               | 06/18/22 12:00 | 06/24/22 23:12 | EPA 3050B   | 1,6010D           | MC      |



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

## SAMPLE RESULTS

Lab ID: L2231035-13  
 Client ID: SB013 (10-12)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/10/22 14:55  
 Date Received: 06/10/22  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 93%

| Parameter                           | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Mansfield Lab</b> |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total                     | 4130   |           | mg/kg | 8.18  | 2.21  | 2               | 06/18/22 12:00 | 06/24/22 23:44 | EPA 3050B   | 1,6010D           | MC      |
| Antimony, Total                     | 0.786  | J         | mg/kg | 4.09  | 0.311 | 2               | 06/18/22 12:00 | 06/24/22 23:44 | EPA 3050B   | 1,6010D           | MC      |
| Arsenic, Total                      | 6.15   |           | mg/kg | 0.818 | 0.170 | 2               | 06/18/22 12:00 | 06/24/22 23:44 | EPA 3050B   | 1,6010D           | MC      |
| Barium, Total                       | 200    |           | mg/kg | 0.818 | 0.142 | 2               | 06/18/22 12:00 | 06/24/22 23:44 | EPA 3050B   | 1,6010D           | MC      |
| Beryllium, Total                    | 0.720  |           | mg/kg | 0.409 | 0.027 | 2               | 06/18/22 12:00 | 06/24/22 23:44 | EPA 3050B   | 1,6010D           | MC      |
| Cadmium, Total                      | 0.606  | J         | mg/kg | 0.818 | 0.080 | 2               | 06/18/22 12:00 | 06/24/22 23:44 | EPA 3050B   | 1,6010D           | MC      |
| Calcium, Total                      | 3980   |           | mg/kg | 8.18  | 2.86  | 2               | 06/18/22 12:00 | 06/24/22 23:44 | EPA 3050B   | 1,6010D           | MC      |
| Chromium, Total                     | 12.5   |           | mg/kg | 0.818 | 0.079 | 2               | 06/18/22 12:00 | 06/24/22 23:44 | EPA 3050B   | 1,6010D           | MC      |
| Cobalt, Total                       | 4.70   |           | mg/kg | 1.64  | 0.136 | 2               | 06/18/22 12:00 | 06/24/22 23:44 | EPA 3050B   | 1,6010D           | MC      |
| Copper, Total                       | 80.3   |           | mg/kg | 0.818 | 0.211 | 2               | 06/18/22 12:00 | 06/24/22 23:44 | EPA 3050B   | 1,6010D           | MC      |
| Iron, Total                         | 10700  |           | mg/kg | 4.09  | 0.739 | 2               | 06/18/22 12:00 | 06/24/22 23:44 | EPA 3050B   | 1,6010D           | MC      |
| Lead, Total                         | 366    |           | mg/kg | 4.09  | 0.219 | 2               | 06/18/22 12:00 | 06/24/22 23:44 | EPA 3050B   | 1,6010D           | MC      |
| Magnesium, Total                    | 1910   |           | mg/kg | 8.18  | 1.26  | 2               | 06/18/22 12:00 | 06/24/22 23:44 | EPA 3050B   | 1,6010D           | MC      |
| Manganese, Total                    | 166    |           | mg/kg | 0.818 | 0.130 | 2               | 06/18/22 12:00 | 06/24/22 23:44 | EPA 3050B   | 1,6010D           | MC      |
| Mercury, Total                      | 0.226  |           | mg/kg | 0.068 | 0.044 | 1               | 06/18/22 12:30 | 06/23/22 09:05 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                       | 12.0   |           | mg/kg | 2.05  | 0.198 | 2               | 06/18/22 12:00 | 06/24/22 23:44 | EPA 3050B   | 1,6010D           | MC      |
| Potassium, Total                    | 447    |           | mg/kg | 205   | 11.8  | 2               | 06/18/22 12:00 | 06/24/22 23:44 | EPA 3050B   | 1,6010D           | MC      |
| Selenium, Total                     | ND     |           | mg/kg | 1.64  | 0.211 | 2               | 06/18/22 12:00 | 06/24/22 23:44 | EPA 3050B   | 1,6010D           | MC      |
| Silver, Total                       | 0.303  | J         | mg/kg | 0.818 | 0.232 | 2               | 06/18/22 12:00 | 06/24/22 23:44 | EPA 3050B   | 1,6010D           | MC      |
| Sodium, Total                       | 100    | J         | mg/kg | 164   | 2.58  | 2               | 06/18/22 12:00 | 06/24/22 23:44 | EPA 3050B   | 1,6010D           | MC      |
| Thallium, Total                     | ND     |           | mg/kg | 1.64  | 0.258 | 2               | 06/18/22 12:00 | 06/24/22 23:44 | EPA 3050B   | 1,6010D           | MC      |
| Vanadium, Total                     | 20.8   |           | mg/kg | 0.818 | 0.166 | 2               | 06/18/22 12:00 | 06/24/22 23:44 | EPA 3050B   | 1,6010D           | MC      |
| Zinc, Total                         | 374    |           | mg/kg | 4.09  | 0.240 | 2               | 06/18/22 12:00 | 06/24/22 23:44 | EPA 3050B   | 1,6010D           | MC      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

## Method Blank Analysis Batch Quality Control

| Parameter   | Result  | Qualifier | Units | RL      | MDL     | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|---|---------|-----------|-------|---------|---------|--------------------|------------------|------------------|----------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1651647-1 |         |           |       |         |         |                    |                  |                  |                      |         |
| Aluminum, Total   | ND      |           | mg/l  | 0.0100  | 0.00327 | 1                  | 06/18/22 07:00   | 06/20/22 17:55   | 1,6020B              | CD      |
| Antimony, Total   | ND      |           | mg/l  | 0.00400 | 0.00042 | 1                  | 06/18/22 07:00   | 06/20/22 17:55   | 1,6020B              | CD      |
| Arsenic, Total  | ND      |           | mg/l  | 0.00050 | 0.00016 | 1                  | 06/18/22 07:00   | 06/20/22 17:55   | 1,6020B              | CD      |
| Barium, Total   | 0.00021 | J         | mg/l  | 0.00050 | 0.00017 | 1                  | 06/18/22 07:00   | 06/20/22 17:55   | 1,6020B              | CD      |
| Beryllium, Total  | ND      |           | mg/l  | 0.00050 | 0.00010 | 1                  | 06/18/22 07:00   | 06/20/22 17:55   | 1,6020B              | CD      |
| Cadmium, Total  | ND      |           | mg/l  | 0.00020 | 0.00005 | 1                  | 06/18/22 07:00   | 06/20/22 17:55   | 1,6020B              | CD      |
| Calcium, Total  | ND      |           | mg/l  | 0.100   | 0.0394  | 1                  | 06/18/22 07:00   | 06/20/22 17:55   | 1,6020B              | CD      |
| Chromium, Total   | ND      |           | mg/l  | 0.00100 | 0.00017 | 1                  | 06/18/22 07:00   | 06/20/22 17:55   | 1,6020B              | CD      |
| Cobalt, Total   | ND      |           | mg/l  | 0.00050 | 0.00016 | 1                  | 06/18/22 07:00   | 06/20/22 17:55   | 1,6020B              | CD      |
| Copper, Total   | ND      |           | mg/l  | 0.00100 | 0.00038 | 1                  | 06/18/22 07:00   | 06/20/22 17:55   | 1,6020B              | CD      |
| Iron, Total   | ND      |           | mg/l  | 0.0500  | 0.0191  | 1                  | 06/18/22 07:00   | 06/20/22 17:55   | 1,6020B              | CD      |
| Lead, Total   | ND      |           | mg/l  | 0.00100 | 0.00034 | 1                  | 06/18/22 07:00   | 06/20/22 17:55   | 1,6020B              | CD      |
| Magnesium, Total  | ND      |           | mg/l  | 0.0700  | 0.0242  | 1                  | 06/18/22 07:00   | 06/20/22 17:55   | 1,6020B              | CD      |
| Manganese, Total  | ND      |           | mg/l  | 0.00100 | 0.00044 | 1                  | 06/18/22 07:00   | 06/20/22 17:55   | 1,6020B              | CD      |
| Nickel, Total   | ND      |           | mg/l  | 0.00200 | 0.00055 | 1                  | 06/18/22 07:00   | 06/20/22 17:55   | 1,6020B              | CD      |
| Potassium, Total  | ND      |           | mg/l  | 0.100   | 0.0309  | 1                  | 06/18/22 07:00   | 06/20/22 17:55   | 1,6020B              | CD      |
| Selenium, Total   | ND      |           | mg/l  | 0.00500 | 0.00173 | 1                  | 06/18/22 07:00   | 06/20/22 17:55   | 1,6020B              | CD      |
| Silver, Total   | ND      |           | mg/l  | 0.00040 | 0.00016 | 1                  | 06/18/22 07:00   | 06/20/22 17:55   | 1,6020B              | CD      |
| Sodium, Total   | ND      |           | mg/l  | 0.100   | 0.0293  | 1                  | 06/18/22 07:00   | 06/20/22 17:55   | 1,6020B              | CD      |
| Thallium, Total   | ND      |           | mg/l  | 0.00100 | 0.00014 | 1                  | 06/18/22 07:00   | 06/20/22 17:55   | 1,6020B              | CD      |
| Vanadium, Total   | ND      |           | mg/l  | 0.00500 | 0.00157 | 1                  | 06/18/22 07:00   | 06/20/22 17:55   | 1,6020B              | CD      |
| Zinc, Total   | ND      |           | mg/l  | 0.01000 | 0.00341 | 1                  | 06/18/22 07:00   | 06/20/22 17:55   | 1,6020B              | CD      |

### Prep Information

Digestion Method: EPA 3005A

| Parameter   | Result | Qualifier | Units | RL      | MDL     | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|---|--------|-----------|-------|---------|---------|--------------------|------------------|------------------|----------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1651650-1 |        |           |       |         |         |                    |                  |                  |                      |         |
| Mercury, Total  | ND     |           | mg/l  | 0.00020 | 0.00009 | 1                  | 06/18/22 07:40   | 06/23/22 10:18   | 1,7470A              | DMB     |





**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

## Method Blank Analysis Batch Quality Control

### Prep Information

Digestion Method: EPA 7470A

| Parameter  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 02-09,11-13 Batch: WG1652120-1 |        |           |       |       |       |                 |                |                |                   |         |
| Aluminum, Total  | ND     |           | mg/kg | 4.00  | 1.08  | 1               | 06/18/22 12:00 | 06/24/22 21:20 | 1,6010D           | MC      |
| Antimony, Total  | ND     |           | mg/kg | 2.00  | 0.152 | 1               | 06/18/22 12:00 | 06/24/22 21:20 | 1,6010D           | MC      |
| Arsenic, Total   | ND     |           | mg/kg | 0.400 | 0.083 | 1               | 06/18/22 12:00 | 06/24/22 21:20 | 1,6010D           | MC      |
| Barium, Total  | ND     |           | mg/kg | 0.400 | 0.070 | 1               | 06/18/22 12:00 | 06/24/22 21:20 | 1,6010D           | MC      |
| Beryllium, Total   | ND     |           | mg/kg | 0.200 | 0.013 | 1               | 06/18/22 12:00 | 06/24/22 21:20 | 1,6010D           | MC      |
| Cadmium, Total   | ND     |           | mg/kg | 0.400 | 0.039 | 1               | 06/18/22 12:00 | 06/24/22 21:20 | 1,6010D           | MC      |
| Calcium, Total   | ND     |           | mg/kg | 4.00  | 1.40  | 1               | 06/18/22 12:00 | 06/24/22 21:20 | 1,6010D           | MC      |
| Chromium, Total  | ND     |           | mg/kg | 0.400 | 0.038 | 1               | 06/18/22 12:00 | 06/24/22 21:20 | 1,6010D           | MC      |
| Cobalt, Total  | ND     |           | mg/kg | 0.800 | 0.066 | 1               | 06/18/22 12:00 | 06/24/22 21:20 | 1,6010D           | MC      |
| Copper, Total  | ND     |           | mg/kg | 0.400 | 0.103 | 1               | 06/18/22 12:00 | 06/24/22 21:20 | 1,6010D           | MC      |
| Iron, Total  | 0.464  | J         | mg/kg | 2.00  | 0.361 | 1               | 06/18/22 12:00 | 06/24/22 21:20 | 1,6010D           | MC      |
| Lead, Total  | ND     |           | mg/kg | 2.00  | 0.107 | 1               | 06/18/22 12:00 | 06/24/22 21:20 | 1,6010D           | MC      |
| Magnesium, Total   | ND     |           | mg/kg | 4.00  | 0.616 | 1               | 06/18/22 12:00 | 06/24/22 21:20 | 1,6010D           | MC      |
| Manganese, Total   | ND     |           | mg/kg | 0.400 | 0.064 | 1               | 06/18/22 12:00 | 06/24/22 21:20 | 1,6010D           | MC      |
| Nickel, Total  | ND     |           | mg/kg | 1.00  | 0.097 | 1               | 06/18/22 12:00 | 06/24/22 21:20 | 1,6010D           | MC      |
| Potassium, Total   | ND     |           | mg/kg | 100   | 5.76  | 1               | 06/18/22 12:00 | 06/24/22 21:20 | 1,6010D           | MC      |
| Selenium, Total  | ND     |           | mg/kg | 0.800 | 0.103 | 1               | 06/18/22 12:00 | 06/24/22 21:20 | 1,6010D           | MC      |
| Silver, Total  | ND     |           | mg/kg | 0.400 | 0.113 | 1               | 06/18/22 12:00 | 06/24/22 21:20 | 1,6010D           | MC      |
| Sodium, Total  | ND     |           | mg/kg | 80.0  | 1.26  | 1               | 06/18/22 12:00 | 06/24/22 21:20 | 1,6010D           | MC      |
| Thallium, Total  | ND     |           | mg/kg | 0.800 | 0.126 | 1               | 06/18/22 12:00 | 06/24/22 21:20 | 1,6010D           | MC      |
| Vanadium, Total  | ND     |           | mg/kg | 0.400 | 0.081 | 1               | 06/18/22 12:00 | 06/24/22 21:20 | 1,6010D           | MC      |
| Zinc, Total  | ND     |           | mg/kg | 2.00  | 0.117 | 1               | 06/18/22 12:00 | 06/24/22 21:20 | 1,6010D           | MC      |

### Prep Information

Digestion Method: EPA 3050B



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

## Method Blank Analysis Batch Quality Control

| Parameter  | Result Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|------------------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 02-09,11-13 Batch: WG1652123-1 |                  |       |       |       |                 |                |                |                   |         |
| Mercury, Total   | ND               | mg/kg | 0.083 | 0.054 | 1               | 06/18/22 12:30 | 06/23/22 07:55 | 1,7471B           | DMB     |

### Prep Information

Digestion Method: EPA 7471B

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2231035

**Project Number:** 3883.0001Y000

**Report Date:** 06/27/22

| Parameter  | LCS       |      | LCSD      |      | %Recovery Limits | RPD | Qual | RPD Limits |
|--|-----------|------|-----------|------|------------------|-----|------|------------|
|  | %Recovery | Qual | %Recovery | Qual |                  |     |      |            |
| Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1651647-2 |           |      |           |      |                  |     |      |            |
| Aluminum, Total  | 100       |      | -         |      | 80-120           | -   |      |            |
| Antimony, Total  | 82        |      | -         |      | 80-120           | -   |      |            |
| Arsenic, Total   | 99        |      | -         |      | 80-120           | -   |      |            |
| Barium, Total  | 95        |      | -         |      | 80-120           | -   |      |            |
| Beryllium, Total   | 97        |      | -         |      | 80-120           | -   |      |            |
| Cadmium, Total   | 97        |      | -         |      | 80-120           | -   |      |            |
| Calcium, Total   | 81        |      | -         |      | 80-120           | -   |      |            |
| Chromium, Total  | 101       |      | -         |      | 80-120           | -   |      |            |
| Cobalt, Total  | 99        |      | -         |      | 80-120           | -   |      |            |
| Copper, Total  | 99        |      | -         |      | 80-120           | -   |      |            |
| Iron, Total  | 104       |      | -         |      | 80-120           | -   |      |            |
| Lead, Total  | 97        |      | -         |      | 80-120           | -   |      |            |
| Magnesium, Total   | 94        |      | -         |      | 80-120           | -   |      |            |
| Manganese, Total   | 106       |      | -         |      | 80-120           | -   |      |            |
| Nickel, Total  | 102       |      | -         |      | 80-120           | -   |      |            |
| Potassium, Total   | 100       |      | -         |      | 80-120           | -   |      |            |
| Selenium, Total  | 105       |      | -         |      | 80-120           | -   |      |            |
| Silver, Total  | 101       |      | -         |      | 80-120           | -   |      |            |
| Sodium, Total  | 96        |      | -         |      | 80-120           | -   |      |            |
| Thallium, Total  | 90        |      | -         |      | 80-120           | -   |      |            |
| Vanadium, Total  | 99        |      | -         |      | 80-120           | -   |      |            |

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

| Parameter  | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|--|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1651647-2 |                  |                   |                     |     |            |
| Zinc, Total  | 97               | -                 | 80-120              | -   |            |
| Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1651650-2 |                  |                   |                     |     |            |
| Mercury, Total   | 126              | Q                 | -                   | -   |            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2231035

**Project Number:** 3883.0001Y000

**Report Date:** 06/27/22

| Parameter  | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|--|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 02-09,11-13 Batch: WG1652120-2 SRM Lot Number: D113-540 |                  |                   |                     |     |            |
| Aluminum, Total  | 71               | -                 | 51-149              | -   |            |
| Antimony, Total  | 136              | -                 | 20-250              | -   |            |
| Arsenic, Total   | 99               | -                 | 70-130              | -   |            |
| Barium, Total  | 94               | -                 | 75-125              | -   |            |
| Beryllium, Total   | 107              | -                 | 75-125              | -   |            |
| Cadmium, Total   | 100              | -                 | 75-125              | -   |            |
| Calcium, Total   | 94               | -                 | 73-128              | -   |            |
| Chromium, Total  | 98               | -                 | 70-130              | -   |            |
| Cobalt, Total  | 100              | -                 | 75-125              | -   |            |
| Copper, Total  | 96               | -                 | 75-125              | -   |            |
| Iron, Total  | 81               | -                 | 36-164              | -   |            |
| Lead, Total  | 92               | -                 | 72-128              | -   |            |
| Magnesium, Total   | 87               | -                 | 63-138              | -   |            |
| Manganese, Total   | 100              | -                 | 77-123              | -   |            |
| Nickel, Total  | 100              | -                 | 70-130              | -   |            |
| Potassium, Total   | 84               | -                 | 59-141              | -   |            |
| Selenium, Total  | 100              | -                 | 66-134              | -   |            |
| Silver, Total  | 96               | -                 | 70-131              | -   |            |
| Sodium, Total  | 98               | -                 | 35-164              | -   |            |
| Thallium, Total  | 95               | -                 | 70-130              | -   |            |
| Vanadium, Total  | 92               | -                 | 74-126              | -   |            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD

**Project Number:** 3883.0001Y000

**Lab Number:** L2231035

**Report Date:** 06/27/22

| Parameter  | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|--|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 02-09,11-13 Batch: WG1652120-2 SRM Lot Number: D113-540 |                  |                   |                     |     |            |
| Zinc, Total  | 95               | -                 | 70-130              | -   |            |
| Total Metals - Mansfield Lab Associated sample(s): 02-09,11-13 Batch: WG1652123-2 SRM Lot Number: D113-540 |                  |                   |                     |     |            |
| Mercury, Total   | 85               | -                 | 60-140              | -   |            |

### Matrix Spike Analysis Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2231035

**Project Number:** 3883.0001Y000

**Report Date:** 06/27/22

| Parameter   | Native Sample | MS Added | MS Found | MS %Recovery | MSD Qual | MSD Found | MSD %Recovery | MSD Qual | Recovery Limits | RPD | RPD Qual | RPD Limits |
|---|---------------|----------|----------|--------------|----------|-----------|---------------|----------|-----------------|-----|----------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01    QC Batch ID: WG1651647-3    QC Sample: L2231549-09    Client ID: MS Sample |               |          |          |              |          |           |               |          |                 |     |          |            |
| Aluminum, Total   | 0.0121        | 2        | 1.90     | 94           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Antimony, Total   | ND            | 0.5      | 0.3979   | 80           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Arsenic, Total  | ND            | 0.12     | 0.1114   | 93           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Barium, Total   | 0.00018J      | 2        | 1.792    | 90           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Beryllium, Total  | ND            | 0.05     | 0.04641  | 93           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Cadmium, Total  | ND            | 0.053    | 0.04825  | 91           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Calcium, Total  | ND            | 10       | 9.01     | 90           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Chromium, Total   | ND            | 0.2      | 0.1874   | 94           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Cobalt, Total   | ND            | 0.5      | 0.4695   | 94           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Copper, Total   | ND            | 0.25     | 0.2346   | 94           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Iron, Total   | ND            | 1        | 0.957    | 96           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Lead, Total   | ND            | 0.53     | 0.4653   | 88           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Magnesium, Total  | ND            | 10       | 8.63     | 86           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Manganese, Total  | ND            | 0.5      | 0.4962   | 99           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Nickel, Total   | ND            | 0.5      | 0.4716   | 94           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Potassium, Total  | ND            | 10       | 9.30     | 93           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Selenium, Total   | ND            | 0.12     | 0.114    | 95           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Silver, Total   | ND            | 0.05     | 0.04736  | 95           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Sodium, Total   | ND            | 10       | 9.21     | 92           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Thallium, Total   | ND            | 0.12     | 0.09943  | 83           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Vanadium, Total   | ND            | 0.5      | 0.4590   | 92           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |

### Matrix Spike Analysis Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

| Parameter   | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---------------|----------|----------|--------------|-----------|---------------|-----------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01    QC Batch ID: WG1651647-3    QC Sample: L2231549-09    Client ID: MS Sample |               |          |          |              |           |               |                 |     |            |
| Zinc, Total   | ND            | 0.5      | 0.4610   | 92           | -         | -             | 75-125          | -   | 20         |
| Total Metals - Mansfield Lab Associated sample(s): 01    QC Batch ID: WG1651650-3    QC Sample: L2231035-01    Client ID: FB_061022 |               |          |          |              |           |               |                 |     |            |
| Mercury, Total  | ND            | 0.005    | 0.00645  | 129          | Q         | -             | 75-125          | -   | 20         |



### Matrix Spike Analysis Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter   | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---------------|----------|----------|--------------|-----------|---------------|-----------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 02-09,11-13 QC Batch ID: WG1652120-3 WG1652120-4 QC Sample: L2231035-04 Client ID: SB016 (0-2) |               |          |          |              |           |               |                 |     |            |
| Aluminum, Total   | 6900          | 167      | 6330     | 0            | Q 6890    | 0             | Q 75-125        | 8   | 20         |
| Antimony, Total   | ND            | 41.7     | 28.9     | 69           | Q 26.7    | 66            | Q 75-125        | 8   | 20         |
| Arsenic, Total  | 1.90          | 10       | 12.4     | 105          | 12.3      | 107           | 75-125          | 1   | 20         |
| Barium, Total   | 93.8          | 167      | 217      | 74           | Q 223     | 80            | 75-125          | 3   | 20         |
| Beryllium, Total  | 0.287J        | 4.17     | 4.06     | 97           | 4.00      | 98            | 75-125          | 1   | 20         |
| Cadmium, Total  | 0.143J        | 4.42     | 4.01     | 91           | 3.94      | 92            | 75-125          | 2   | 20         |
| Calcium, Total  | 15100         | 834      | 26400    | 1350         | Q 22700   | 936           | Q 75-125        | 15  | 20         |
| Chromium, Total   | 16.3          | 16.7     | 28.8     | 75           | 29.8      | 83            | 75-125          | 3   | 20         |
| Cobalt, Total   | 4.56          | 41.7     | 37.9     | 80           | 38.9      | 84            | 75-125          | 3   | 20         |
| Copper, Total   | 20.0          | 20.8     | 42.9     | 110          | 54.0      | 167           | Q 75-125        | 23  | Q 20       |
| Iron, Total   | 8680          | 83.4     | 12200    | 4220         | Q 12800   | 5070          | Q 75-125        | 5   | 20         |
| Lead, Total   | 54.4          | 44.2     | 88.5     | 77           | 93.8      | 92            | 75-125          | 6   | 20         |
| Magnesium, Total  | 2430          | 834      | 3210     | 94           | 3000      | 70            | Q 75-125        | 7   | 20         |
| Manganese, Total  | 132           | 41.7     | 185      | 127          | Q 183     | 126           | Q 75-125        | 1   | 20         |
| Nickel, Total   | 10.0          | 41.7     | 43.8     | 81           | 43.4      | 82            | 75-125          | 1   | 20         |
| Potassium, Total  | 809           | 834      | 1540     | 88           | 1650      | 104           | 75-125          | 7   | 20         |
| Selenium, Total   | ND            | 10       | 9.33     | 93           | 8.83      | 91            | 75-125          | 6   | 20         |
| Silver, Total   | ND            | 25       | 23.2     | 93           | 22.7      | 93            | 75-125          | 2   | 20         |
| Sodium, Total   | 135J          | 834      | 976      | 117          | 1000      | 123           | 75-125          | 2   | 20         |
| Thallium, Total   | ND            | 10       | 7.50     | 75           | 7.35      | 75            | 75-125          | 2   | 20         |
| Vanadium, Total   | 21.5          | 41.7     | 57.6     | 86           | 58.4      | 91            | 75-125          | 1   | 20         |

### Matrix Spike Analysis Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

| Parameter   | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---------------|----------|----------|--------------|-----------|---------------|-----------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 02-09,11-13 QC Batch ID: WG1652120-3 WG1652120-4 QC Sample: L2231035-04 Client ID: SB016 (0-2) |               |          |          |              |           |               |                 |     |            |
| Zinc, Total   | 60.8          | 41.7     | 105      | 106          | 113       | 128           | Q 75-125        | 7   | 20         |
| Total Metals - Mansfield Lab Associated sample(s): 02-09,11-13 QC Batch ID: WG1652123-3 WG1652123-4 QC Sample: L2231035-04 Client ID: SB016 (0-2) |               |          |          |              |           |               |                 |     |            |
| Mercury, Total  | ND            | 1.37     | 0.990    | 72           | Q 0.939   | 69            | Q 80-120        | 5   | 20         |

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 40-40 NORTHERN BLVD

Project Number: 3883.0001Y000

Lab Number: L2231035

Report Date: 06/27/22

| Parameter   | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1651647-4 QC Sample: L2231549-09 Client ID: DUP Sample |               |                  |       |     |      |            |
| Aluminum, Total   | 0.0121        | 0.0115           | mg/l  | 5   |      | 20         |
| Antimony, Total   | ND            | ND               | mg/l  | NC  |      | 20         |
| Arsenic, Total  | ND            | ND               | mg/l  | NC  |      | 20         |
| Barium, Total   | 0.00018J      | 0.00025J         | mg/l  | NC  |      | 20         |
| Beryllium, Total  | ND            | ND               | mg/l  | NC  |      | 20         |
| Cadmium, Total  | ND            | ND               | mg/l  | NC  |      | 20         |
| Calcium, Total  | ND            | ND               | mg/l  | NC  |      | 20         |
| Chromium, Total   | ND            | ND               | mg/l  | NC  |      | 20         |
| Cobalt, Total   | ND            | ND               | mg/l  | NC  |      | 20         |
| Copper, Total   | ND            | ND               | mg/l  | NC  |      | 20         |
| Iron, Total   | ND            | ND               | mg/l  | NC  |      | 20         |
| Lead, Total   | ND            | ND               | mg/l  | NC  |      | 20         |
| Magnesium, Total  | ND            | ND               | mg/l  | NC  |      | 20         |
| Manganese, Total  | ND            | ND               | mg/l  | NC  |      | 20         |
| Nickel, Total   | ND            | ND               | mg/l  | NC  |      | 20         |
| Potassium, Total  | ND            | ND               | mg/l  | NC  |      | 20         |
| Selenium, Total   | ND            | ND               | mg/l  | NC  |      | 20         |
| Silver, Total   | ND            | ND               | mg/l  | NC  |      | 20         |
| Sodium, Total   | ND            | ND               | mg/l  | NC  |      | 20         |

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 40-40 NORTHERN BLVD

Project Number: 3883.0001Y000

Lab Number: L2231035

Report Date: 06/27/22

| Parameter  | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|--|---------------|------------------|-------|-----|------------|
| <b>Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1651647-4 QC Sample: L2231549-09 Client ID: DUP Sample</b> |               |                  |       |     |            |
| Thallium, Total  | ND            | ND               | mg/l  | NC  | 20         |
| Vanadium, Total  | ND            | ND               | mg/l  | NC  | 20         |
| Zinc, Total  | ND            | ND               | mg/l  | NC  | 20         |
| <b>Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1651650-4 QC Sample: L2231035-01 Client ID: FB_061022</b>  |               |                  |       |     |            |
| Mercury, Total   | ND            | ND               | mg/l  | NC  | 20         |

Project Name: 40-40 NORTHERN BLVD

Project Number: 3883.0001Y000

**Lab Serial Dilution  
Analysis  
Batch Quality Control**

Lab Number: L2231035

Report Date: 06/27/22

| Parameter   | Native Sample | Serial Dilution | Units | % D | Qual | RPD Limits |
|---|---------------|-----------------|-------|-----|------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 02-09,11-13 QC Batch ID: WG1652120-6 QC Sample: L2231035-04 Client ID: SB016 (0-2) |               |                 |       |     |      |            |
| Aluminum, Total   | 6900          | 7630            | mg/kg | 11  |      | 20         |
| Barium, Total   | 93.8          | 104             | mg/kg | 11  |      | 20         |
| Calcium, Total  | 15100         | 16800           | mg/kg | 11  |      | 20         |
| Iron, Total   | 8680          | 9840            | mg/kg | 13  |      | 20         |
| Magnesium, Total  | 2430          | 2830            | mg/kg | 16  |      | 20         |
| Manganese, Total  | 132           | 149             | mg/kg | 13  |      | 20         |
| Vanadium, Total   | 21.5          | 24.1            | mg/kg | 12  |      | 20         |
| Zinc, Total   | 60.8          | 70.4            | mg/kg | 16  |      | 20         |

# **INORGANICS & MISCELLANEOUS**

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-01  
**Client ID:** FB\_061022  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 09:00  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

| Parameter                                  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| <b>General Chemistry - Westborough Lab</b> |        |           |       |       |       |                 |                |                |                   |         |
| Cyanide, Total                             | ND     |           | mg/l  | 0.005 | 0.001 | 1               | 06/15/22 10:50 | 06/15/22 13:49 | 1,9010C/9012B     | CS      |
| Chromium, Hexavalent                       | ND     |           | mg/l  | 0.010 | 0.003 | 1               | 06/11/22 07:55 | 06/11/22 08:11 | 1,7196A           | CL      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-02  
**Client ID:** SB017 (0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 09:20  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| <b>General Chemistry - Westborough Lab</b> |        |           |       |       |       |                 |                |                |                   |         |
| Solids, Total                              | 91.7   |           | %     | 0.100 | NA    | 1               | -              | 06/11/22 08:57 | 121,2540G         | RI      |
| Cyanide, Total                             | 0.28   | J         | mg/kg | 1.1   | 0.23  | 1               | 06/14/22 20:40 | 06/15/22 10:22 | 1,9010C/9012B     | CS      |
| Chromium, Hexavalent                       | 0.284  | J         | mg/kg | 0.872 | 0.174 | 1               | 06/12/22 15:14 | 06/16/22 15:20 | 1,7196A           | JT      |





**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-03  
**Client ID:** SB017 (2-4)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 09:30  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| <b>General Chemistry - Westborough Lab</b> |        |           |       |       |       |                 |                |                |                   |         |
| Solids, Total                              | 92.9   |           | %     | 0.100 | NA    | 1               | -              | 06/11/22 08:57 | 121,2540G         | RI      |
| Cyanide, Total                             | ND     |           | mg/kg | 1.0   | 0.22  | 1               | 06/14/22 20:40 | 06/15/22 10:23 | 1,9010C/9012B     | CS      |
| Chromium, Hexavalent                       | ND     |           | mg/kg | 0.861 | 0.172 | 1               | 06/12/22 15:14 | 06/16/22 15:20 | 1,7196A           | JT      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-04  
**Client ID:** SB016 (0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 10:00  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| <b>General Chemistry - Westborough Lab</b> |        |           |       |       |       |                 |                |                |                   |         |
| Solids, Total                              | 92.8   |           | %     | 0.100 | NA    | 1               | -              | 06/11/22 08:57 | 121,2540G         | RI      |
| Cyanide, Total                             | ND     |           | mg/kg | 1.0   | 0.22  | 1               | 06/14/22 20:40 | 06/15/22 10:24 | 1,9010C/9012B     | CS      |
| Chromium, Hexavalent                       | 0.172  | J         | mg/kg | 0.862 | 0.172 | 1               | 06/12/22 15:14 | 06/16/22 15:20 | 1,7196A           | JT      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-05  
**Client ID:** SB016 (2-4)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 10:10  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| <b>General Chemistry - Westborough Lab</b> |        |           |       |       |       |                 |                |                |                   |         |
| Solids, Total                              | 89.9   |           | %     | 0.100 | NA    | 1               | -              | 06/11/22 08:57 | 121,2540G         | RI      |
| Cyanide, Total                             | ND     |           | mg/kg | 1.0   | 0.22  | 1               | 06/14/22 20:40 | 06/15/22 10:27 | 1,9010C/9012B     | CS      |
| Chromium, Hexavalent                       | ND     |           | mg/kg | 0.890 | 0.178 | 1               | 06/12/22 15:14 | 06/16/22 15:20 | 1,7196A           | JT      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-06  
**Client ID:** SB012 (0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 11:30  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| <b>General Chemistry - Westborough Lab</b> |        |           |       |       |       |                 |                |                |                   |         |
| Solids, Total                              | 94.9   |           | %     | 0.100 | NA    | 1               | -              | 06/11/22 08:57 | 121,2540G         | RI      |
| Cyanide, Total                             | ND     |           | mg/kg | 1.0   | 0.22  | 1               | 06/14/22 20:40 | 06/15/22 10:30 | 1,9010C/9012B     | CS      |
| Chromium, Hexavalent                       | 0.168  | J         | mg/kg | 0.843 | 0.168 | 1               | 06/12/22 15:14 | 06/16/22 15:20 | 1,7196A           | JT      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-07  
**Client ID:** DUP\_061022  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 12:00  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| <b>General Chemistry - Westborough Lab</b> |        |           |       |       |       |                 |                |                |                   |         |
| Solids, Total                              | 88.6   |           | %     | 0.100 | NA    | 1               | -              | 06/11/22 08:57 | 121,2540G         | RI      |
| Cyanide, Total                             | ND     |           | mg/kg | 1.1   | 0.23  | 1               | 06/14/22 20:40 | 06/15/22 10:31 | 1,9010C/9012B     | CS      |
| Chromium, Hexavalent                       | ND     |           | mg/kg | 0.903 | 0.180 | 1               | 06/12/22 15:14 | 06/16/22 15:20 | 1,7196A           | JT      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-08  
**Client ID:** SB012 (12-14)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 12:30  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| <b>General Chemistry - Westborough Lab</b> |        |           |       |       |       |                 |                |                |                   |         |
| Solids, Total                              | 92.7   |           | %     | 0.100 | NA    | 1               | -              | 06/11/22 08:57 | 121,2540G         | RI      |
| Cyanide, Total                             | 0.26   | J         | mg/kg | 1.0   | 0.22  | 1               | 06/14/22 20:40 | 06/15/22 10:32 | 1,9010C/9012B     | CS      |
| Chromium, Hexavalent                       | ND     |           | mg/kg | 0.863 | 0.172 | 1               | 06/12/22 15:14 | 06/16/22 15:20 | 1,7196A           | JT      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-09  
**Client ID:** SB012 (15-17)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 12:40  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| <b>General Chemistry - Westborough Lab</b> |        |           |       |       |       |                 |                |                |                   |         |
| Solids, Total                              | 97.0   |           | %     | 0.100 | NA    | 1               | -              | 06/11/22 08:57 | 121,2540G         | RI      |
| Cyanide, Total                             | ND     |           | mg/kg | 1.0   | 0.21  | 1               | 06/14/22 20:40 | 06/15/22 10:33 | 1,9010C/9012B     | CS      |
| Chromium, Hexavalent                       | ND     |           | mg/kg | 0.825 | 0.165 | 1               | 06/12/22 15:14 | 06/16/22 15:20 | 1,7196A           | JT      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-11  
**Client ID:** SB013 (0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 14:10  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| <b>General Chemistry - Westborough Lab</b> |        |           |       |       |       |                 |                |                |                   |         |
| Solids, Total                              | 90.4   |           | %     | 0.100 | NA    | 1               | -              | 06/11/22 08:57 | 121,2540G         | RI      |
| Cyanide, Total                             | ND     |           | mg/kg | 1.0   | 0.22  | 1               | 06/14/22 20:40 | 06/15/22 10:34 | 1,9010C/9012B     | CS      |
| Chromium, Hexavalent                       | 0.177  | J         | mg/kg | 0.885 | 0.177 | 1               | 06/12/22 15:14 | 06/16/22 15:20 | 1,7196A           | JT      |





**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-12  
**Client ID:** SB013 (6-8)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 14:40  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| <b>General Chemistry - Westborough Lab</b> |        |           |       |       |       |                 |                |                |                   |         |
| Solids, Total                              | 92.6   |           | %     | 0.100 | NA    | 1               | -              | 06/11/22 08:57 | 121,2540G         | RI      |
| Cyanide, Total                             | ND     |           | mg/kg | 1.0   | 0.22  | 1               | 06/14/22 20:40 | 06/15/22 10:35 | 1,9010C/9012B     | CS      |
| Chromium, Hexavalent                       | ND     |           | mg/kg | 0.864 | 0.173 | 1               | 06/12/22 15:14 | 06/16/22 15:20 | 1,7196A           | JT      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231035-13  
**Client ID:** SB013 (10-12)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/10/22 14:55  
**Date Received:** 06/10/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| <b>General Chemistry - Westborough Lab</b> |        |           |       |       |       |                 |                |                |                   |         |
| Solids, Total                              | 93.2   |           | %     | 0.100 | NA    | 1               | -              | 06/11/22 08:57 | 121,2540G         | RI      |
| Cyanide, Total                             | ND     |           | mg/kg | 1.0   | 0.22  | 1               | 06/14/22 20:40 | 06/15/22 10:36 | 1,9010C/9012B     | CS      |
| Chromium, Hexavalent                       | ND     |           | mg/kg | 0.858 | 0.172 | 1               | 06/12/22 15:14 | 06/16/22 15:20 | 1,7196A           | JT      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

**Method Blank Analysis**  
**Batch Quality Control**

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|---|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1649391-1          |        |           |       |       |       |                 |                |                |                   |         |
| Chromium, Hexavalent  | ND     |           | mg/l  | 0.010 | 0.003 | 1               | 06/11/22 07:55 | 06/11/22 08:08 | 1,7196A           | CL      |
| General Chemistry - Westborough Lab for sample(s): 02-06 Batch: WG1649484-1       |        |           |       |       |       |                 |                |                |                   |         |
| Chromium, Hexavalent  | ND     |           | mg/kg | 0.800 | 0.160 | 1               | 06/12/22 15:14 | 06/16/22 15:20 | 1,7196A           | JT      |
| General Chemistry - Westborough Lab for sample(s): 07-09,11-13 Batch: WG1649489-1 |        |           |       |       |       |                 |                |                |                   |         |
| Chromium, Hexavalent  | ND     |           | mg/kg | 0.800 | 0.160 | 1               | 06/12/22 15:14 | 06/16/22 15:20 | 1,7196A           | JT      |
| General Chemistry - Westborough Lab for sample(s): 02-09,11-12 Batch: WG1650471-1 |        |           |       |       |       |                 |                |                |                   |         |
| Cyanide, Total  | ND     |           | mg/kg | 0.88  | 0.19  | 1               | 06/14/22 20:40 | 06/15/22 10:18 | 1,9010C/9012B     | CS      |
| General Chemistry - Westborough Lab for sample(s): 13 Batch: WG1650473-1          |        |           |       |       |       |                 |                |                |                   |         |
| Cyanide, Total  | ND     |           | mg/kg | 0.88  | 0.19  | 1               | 06/14/22 20:40 | 06/15/22 10:18 | 1,9010C/9012B     | CS      |
| General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1650786-1          |        |           |       |       |       |                 |                |                |                   |         |
| Cyanide, Total  | ND     |           | mg/l  | 0.005 | 0.001 | 1               | 06/15/22 10:50 | 06/15/22 13:31 | 1,9010C/9012B     | CS      |

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

| Parameter  | LCS       |      | LCSD      |      | %Recovery Limits | RPD | Qual | RPD Limits |
|--|-----------|------|-----------|------|------------------|-----|------|------------|
|  | %Recovery | Qual | %Recovery | Qual |                  |     |      |            |
| General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1649391-2                      |           |      |           |      |                  |     |      |            |
| Chromium, Hexavalent   | 102       |      | -         |      | 85-115           | -   |      | 20         |
| General Chemistry - Westborough Lab Associated sample(s): 02-06 Batch: WG1649484-2                   |           |      |           |      |                  |     |      |            |
| Chromium, Hexavalent   | 86        |      | -         |      | 80-120           | -   |      | 20         |
| General Chemistry - Westborough Lab Associated sample(s): 07-09,11-13 Batch: WG1649489-2             |           |      |           |      |                  |     |      |            |
| Chromium, Hexavalent   | 86        |      | -         |      | 80-120           | -   |      | 20         |
| General Chemistry - Westborough Lab Associated sample(s): 02-09,11-12 Batch: WG1650471-2 WG1650471-3 |           |      |           |      |                  |     |      |            |
| Cyanide, Total   | 81        |      | 72        | Q    | 80-120           | 7   |      | 35         |
| General Chemistry - Westborough Lab Associated sample(s): 13 Batch: WG1650473-2 WG1650473-3          |           |      |           |      |                  |     |      |            |
| Cyanide, Total   | 81        |      | 72        | Q    | 80-120           | 7   |      | 35         |
| General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1650786-2 WG1650786-3          |           |      |           |      |                  |     |      |            |
| Cyanide, Total   | 90        |      | 88        |      | 85-115           | 2   |      | 20         |

## Matrix Spike Analysis

### Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2231035

**Project Number:** 3883.0001Y000

**Report Date:** 06/27/22

| Parameter  | Native Sample | MS Added | MS Found | MS %Recovery | MSD Qual | MSD Found | MSD %Recovery | MSD Qual | Recovery Limits | RPD | RPD Qual | RPD Limits |
|--|---------------|----------|----------|--------------|----------|-----------|---------------|----------|-----------------|-----|----------|------------|
| General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1649391-4 QC Sample: L2231035-01 Client ID: FB_061022                        |               |          |          |              |          |           |               |          |                 |     |          |            |
| Chromium, Hexavalent   | ND            | 0.1      | 0.106    | 106          | -        | -         | -             | -        | 85-115          | -   | -        | 20         |
| General Chemistry - Westborough Lab Associated sample(s): 02-06 QC Batch ID: WG1649484-4 WG1649484-5 QC Sample: L2231035-04 Client ID: SB016 (0-2)       |               |          |          |              |          |           |               |          |                 |     |          |            |
| Chromium, Hexavalent   | 0.172J        | 1480     | 1360     | 92           | 992      | 102       | 102           | 102      | 75-125          | 10  | 10       | 20         |
| General Chemistry - Westborough Lab Associated sample(s): 07-09,11-13 QC Batch ID: WG1649489-4 QC Sample: L2231035-09 Client ID: SB012 (15-17)           |               |          |          |              |          |           |               |          |                 |     |          |            |
| Chromium, Hexavalent   | ND            | 1460     | 1460     | 100          | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| General Chemistry - Westborough Lab Associated sample(s): 02-09,11-12 QC Batch ID: WG1650471-4 WG1650471-5 QC Sample: L2231035-04 Client ID: SB016 (0-2) |               |          |          |              |          |           |               |          |                 |     |          |            |
| Cyanide, Total   | ND            | 10       | 9.1      | 88           | 8.8      | 87        | 87            | 87       | 75-125          | 3   | 3        | 35         |
| General Chemistry - Westborough Lab Associated sample(s): 13 QC Batch ID: WG1650473-4 WG1650473-5 QC Sample: L2231077-09 Client ID: MS Sample            |               |          |          |              |          |           |               |          |                 |     |          |            |
| Cyanide, Total   | 0.52J         | 11       | 9.0      | 79           | 10       | 82        | 82            | 82       | 75-125          | 11  | 11       | 35         |
| General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1650786-4 WG1650786-5 QC Sample: L2231035-01 Client ID: FB_061022            |               |          |          |              |          |           |               |          |                 |     |          |            |
| Cyanide, Total   | ND            | 0.2      | 0.183    | 92           | 0.180    | 90        | 90            | 90       | 80-120          | 2   | 2        | 20         |

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 40-40 NORTHERN BLVD

Project Number: 3883.0001Y000

Lab Number: L2231035

Report Date: 06/27/22

| Parameter  | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|--|---------------|------------------|-------|-----|------|------------|
| General Chemistry - Westborough Lab Associated sample(s): 02-09,11-13 QC Batch ID: WG1649375-1 QC Sample: L2231035-04 Client ID: SB016 (0-2)   |               |                  |       |     |      |            |
| Solids, Total  | 92.8          | 92.9             | %     | 0   |      | 20         |
| General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1649391-3 QC Sample: L2231035-01 Client ID: FB_061022              |               |                  |       |     |      |            |
| Chromium, Hexavalent   | ND            | ND               | mg/l  | NC  |      | 20         |
| General Chemistry - Westborough Lab Associated sample(s): 02-06 QC Batch ID: WG1649484-7 QC Sample: L2231035-04 Client ID: SB016 (0-2)         |               |                  |       |     |      |            |
| Chromium, Hexavalent   | 0.172J        | 0.226J           | mg/kg | NC  |      | 20         |
| General Chemistry - Westborough Lab Associated sample(s): 07-09,11-13 QC Batch ID: WG1649489-6 QC Sample: L2231035-09 Client ID: SB012 (15-17) |               |                  |       |     |      |            |
| Chromium, Hexavalent   | ND            | ND               | mg/kg | NC  |      | 20         |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2231035**Project Number:** 3883.0001Y000**Report Date:** 06/27/22**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

| <b>Cooler</b> | <b>Custody Seal</b> |
|---------------|---------------------|
| A             | Absent              |
| B             | Absent              |
| C             | Absent              |

**Container Information**

| <b>Container ID</b> | <b>Container Type</b>        | <b>Cooler</b> | <b>Initial pH</b> | <b>Final pH</b> | <b>Temp deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen Date/Time</b> | <b>Analysis(*)</b>   |
|---------------------|------------------------------|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--|
| L2231035-01A        | Vial HCl preserved           | A             | NA                |                 | 5.1               | Y           | Absent      |                         | NYTCL-8260(14)   |
| L2231035-01B        | Vial HCl preserved           | A             | NA                |                 | 5.1               | Y           | Absent      |                         | NYTCL-8260(14)   |
| L2231035-01C        | Vial HCl preserved           | A             | NA                |                 | 5.1               | Y           | Absent      |                         | NYTCL-8260(14)   |
| L2231035-01D        | Amber 120ml unpreserved      | A             | 7                 | 7               | 5.1               | Y           | Absent      |                         | NYTCL-8082-LVI(365)  |
| L2231035-01E        | Amber 120ml unpreserved      | A             | 7                 | 7               | 5.1               | Y           | Absent      |                         | NYTCL-8082-LVI(365)  |
| L2231035-01F        | Amber 120ml unpreserved      | A             | 7                 | 7               | 5.1               | Y           | Absent      |                         | NYTCL-8081(7)  |
| L2231035-01G        | Amber 120ml unpreserved      | A             | 7                 | 7               | 5.1               | Y           | Absent      |                         | NYTCL-8081(7)  |
| L2231035-01H        | Plastic 250ml unpreserved    | A             | 7                 | 7               | 5.1               | Y           | Absent      |                         | HEXCR-7196(1)  |
| L2231035-01J        | Amber 250ml unpreserved      | A             | 7                 | 7               | 5.1               | Y           | Absent      |                         | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)  |
| L2231035-01K        | Amber 250ml unpreserved      | A             | 7                 | 7               | 5.1               | Y           | Absent      |                         | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)  |
| L2231035-01L        | Amber 250ml unpreserved      | A             | 7                 | 7               | 5.1               | Y           | Absent      |                         | A2-1,4-DIOXANE-SIM(7)  |
| L2231035-01M        | Amber 250ml unpreserved      | A             | 7                 | 7               | 5.1               | Y           | Absent      |                         | A2-1,4-DIOXANE-SIM(7)  |
| L2231035-01N        | Plastic 250ml NaOH preserved | A             | >12               | >12             | 5.1               | Y           | Absent      |                         | TCN-9010(14)   |
| L2231035-01O        | Plastic 250ml HNO3 preserved | A             | <2                | <2              | 5.1               | Y           | Absent      |                         | SE-6020T(180),TL-6020T(180),BA-6020T(180),FE-6020T(180),K-6020T(180),CR-6020T(180),NI-6020T(180),CA-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),AG-6020T(180),CO-6020T(180) |
| L2231035-01P        | Amber 1000ml unpreserved     | A             | 7                 | 7               | 5.1               | Y           | Absent      |                         | HERB-8151(7)   |
| L2231035-01Q        | Amber 1000ml unpreserved     | A             | 7                 | 7               | 5.1               | Y           | Absent      |                         | HERB-8151(7)   |
| L2231035-02A        | 5 gram Encore Sampler        | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Serial\_No:**06272214:05  
**Lab Number:** L2231035  
**Report Date:** 06/27/22

**Container Information**

| <b>Container ID</b> | <b>Container Type</b>                  | <b>Cooler</b> | <b>Initial pH</b> | <b>Final pH</b> | <b>Temp deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen Date/Time</b> | <b>Analysis(*)</b>   |
|---------------------|--|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--|
| L2231035-02B        | 5 gram Encore Sampler                  | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-02C        | 5 gram Encore Sampler                  | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-02D        | Plastic 2oz unpreserved for TS         | C             | NA                |                 | 3.2               | Y           | Absent      |                         | TS(7)  |
| L2231035-02E        | Metals Only-Glass 60mL/2oz unpreserved | C             | NA                |                 | 3.2               | Y           | Absent      |                         | BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),CU-TI(180),CO-TI(180),V-TI(180),MN-TI(180),MG-TI(180),FE-TI(180),HG-T(28),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180) |
| L2231035-02F        | Glass 120ml/4oz unpreserved            | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2231035-02G        | Glass 500ml/16oz unpreserved           | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2231035-02X        | Vial MeOH preserved split              | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-02Y        | Vial Water preserved split             | C             | NA                |                 | 3.2               | Y           | Absent      | 11-JUN-22 08:17         | NYTCL-8260HLW(14)  |
| L2231035-02Z        | Vial Water preserved split             | C             | NA                |                 | 3.2               | Y           | Absent      | 11-JUN-22 08:17         | NYTCL-8260HLW(14)  |
| L2231035-03A        | 5 gram Encore Sampler                  | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-03B        | 5 gram Encore Sampler                  | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-03C        | 5 gram Encore Sampler                  | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-03D        | Plastic 2oz unpreserved for TS         | C             | NA                |                 | 3.2               | Y           | Absent      |                         | TS(7)  |
| L2231035-03E        | Metals Only-Glass 60mL/2oz unpreserved | C             | NA                |                 | 3.2               | Y           | Absent      |                         | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),V-TI(180),CO-TI(180),MN-TI(180),HG-T(28),FE-TI(180),MG-TI(180),CD-TI(180),CA-TI(180),NA-TI(180),K-TI(180) |
| L2231035-03F        | Glass 120ml/4oz unpreserved            | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2231035-03G        | Glass 500ml/16oz unpreserved           | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2231035-03X        | Vial MeOH preserved split              | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-03Y        | Vial Water preserved split             | C             | NA                |                 | 3.2               | Y           | Absent      | 11-JUN-22 08:17         | NYTCL-8260HLW(14)  |
| L2231035-03Z        | Vial Water preserved split             | C             | NA                |                 | 3.2               | Y           | Absent      | 11-JUN-22 08:17         | NYTCL-8260HLW(14)  |
| L2231035-04A        | 5 gram Encore Sampler                  | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |

\*Values in parentheses indicate holding time in days





**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Serial\_No:**06272214:05  
**Lab Number:** L2231035  
**Report Date:** 06/27/22

**Container Information**

| <b>Container ID</b> | <b>Container Type</b>                  | <b>Cooler</b> | <b>Initial pH</b> | <b>Final pH</b> | <b>Temp deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen Date/Time</b> | <b>Analysis(*)</b>   |
|---------------------|--|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--|
| L2231035-04A1       | 5 gram Encore Sampler                  | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-04A2       | 5 gram Encore Sampler                  | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-04B        | 5 gram Encore Sampler                  | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-04B1       | 5 gram Encore Sampler                  | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-04B2       | 5 gram Encore Sampler                  | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-04C        | 5 gram Encore Sampler                  | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-04C1       | 5 gram Encore Sampler                  | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-04C2       | 5 gram Encore Sampler                  | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-04D        | Plastic 2oz unpreserved for TS         | C             | NA                |                 | 3.2               | Y           | Absent      |                         | TS(7)  |
| L2231035-04D1       | Plastic 2oz unpreserved for TS         | C             | NA                |                 | 3.2               | Y           | Absent      |                         | TS(7)  |
| L2231035-04D2       | Plastic 2oz unpreserved for TS         | C             | NA                |                 | 3.2               | Y           | Absent      |                         | TS(7)  |
| L2231035-04E        | Metals Only-Glass 60mL/2oz unpreserved | C             | NA                |                 | 3.2               | Y           | Absent      |                         | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MN-TI(180),MG-TI(180),FE-TI(180),HG-T(28),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180) |
| L2231035-04E1       | Metals Only-Glass 60mL/2oz unpreserved | C             | NA                |                 | 3.2               | Y           | Absent      |                         | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MN-TI(180),MG-TI(180),FE-TI(180),HG-T(28),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180) |
| L2231035-04E2       | Metals Only-Glass 60mL/2oz unpreserved | C             | NA                |                 | 3.2               | Y           | Absent      |                         | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MN-TI(180),MG-TI(180),FE-TI(180),HG-T(28),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180) |
| L2231035-04F        | Glass 120ml/4oz unpreserved            | C             | NA                |                 | 3.2               | Y           | Absent      |                         | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2231035-04F1       | Glass 120ml/4oz unpreserved            | C             | NA                |                 | 3.2               | Y           | Absent      |                         | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2231035-04F2       | Glass 120ml/4oz unpreserved            | C             | NA                |                 | 3.2               | Y           | Absent      |                         | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2231035-04G        | Glass 500ml/16oz unpreserved           | C             | NA                |                 | 3.2               | Y           | Absent      |                         | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |

\*Values in parentheses indicate holding time in days



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231035

Project Number: 3883.0001Y000

Report Date: 06/27/22

**Container Information**

| Container ID  | Container Type                         | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)  |
|---------------|--|--------|------------|----------|------------|------|--------|------------------|--|
| L2231035-04G1 | Glass 500ml/16oz unpreserved           | C      | NA         |          | 3.2        | Y    | Absent |                  | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2231035-04G2 | Glass 500ml/16oz unpreserved           | C      | NA         |          | 3.2        | Y    | Absent |                  | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2231035-04X  | Vial MeOH preserved split              | C      | NA         |          | 3.2        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2231035-04X1 | Vial MeOH preserved split              | C      | NA         |          | 3.2        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2231035-04X2 | Vial MeOH preserved split              | C      | NA         |          | 3.2        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2231035-04Y  | Vial Water preserved split             | C      | NA         |          | 3.2        | Y    | Absent | 11-JUN-22 08:17  | NYTCL-8260HLW(14)  |
| L2231035-04Y1 | Vial Water preserved split             | C      | NA         |          | 3.2        | Y    | Absent | 11-JUN-22 08:17  | NYTCL-8260HLW(14)  |
| L2231035-04Y2 | Vial Water preserved split             | C      | NA         |          | 3.2        | Y    | Absent | 11-JUN-22 08:17  | NYTCL-8260HLW(14)  |
| L2231035-04Z  | Vial Water preserved split             | C      | NA         |          | 3.2        | Y    | Absent | 11-JUN-22 08:17  | NYTCL-8260HLW(14)  |
| L2231035-04Z1 | Vial Water preserved split             | C      | NA         |          | 3.2        | Y    | Absent | 11-JUN-22 08:17  | NYTCL-8260HLW(14)  |
| L2231035-04Z2 | Vial Water preserved split             | C      | NA         |          | 3.2        | Y    | Absent | 11-JUN-22 08:17  | NYTCL-8260HLW(14)  |
| L2231035-05A  | 5 gram Encore Sampler                  | C      | NA         |          | 3.2        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2231035-05B  | 5 gram Encore Sampler                  | C      | NA         |          | 3.2        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2231035-05C  | 5 gram Encore Sampler                  | C      | NA         |          | 3.2        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2231035-05D  | Plastic 2oz unpreserved for TS         | C      | NA         |          | 3.2        | Y    | Absent |                  | TS(7)  |
| L2231035-05E  | Metals Only-Glass 60mL/2oz unpreserved | C      | NA         |          | 3.2        | Y    | Absent |                  | BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),PB-TI(180),CU-TI(180),CO-TI(180),V-TI(180),MN-TI(180),HG-T(28),MG-TI(180),FE-TI(180),NA-TI(180),CA-TI(180),K-TI(180),CD-TI(180) |
| L2231035-05F  | Glass 120ml/4oz unpreserved            | C      | NA         |          | 3.2        | Y    | Absent |                  | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365),HERB-8151(14),HEXCR-7196(30)  |
| L2231035-05G  | Glass 500ml/16oz unpreserved           | C      | NA         |          | 3.2        | Y    | Absent |                  | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365),HERB-8151(14),HEXCR-7196(30)  |
| L2231035-05X  | Vial MeOH preserved split              | C      | NA         |          | 3.2        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2231035-05Y  | Vial Water preserved split             | C      | NA         |          | 3.2        | Y    | Absent | 11-JUN-22 08:17  | NYTCL-8260HLW(14)  |
| L2231035-05Z  | Vial Water preserved split             | C      | NA         |          | 3.2        | Y    | Absent | 11-JUN-22 08:17  | NYTCL-8260HLW(14)  |
| L2231035-06A  | 5 gram Encore Sampler                  | C      | NA         |          | 3.2        | Y    | Absent |                  | NYTCL-8260HLW(14)  |

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**Container Information**

| <b>Container ID</b> | <b>Container Type</b>                  | <b>Cooler</b> | <b>Initial pH</b> | <b>Final pH</b> | <b>Temp deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen Date/Time</b> | <b>Analysis(*)</b>   |
|---------------------|--|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--|
| L2231035-06B        | 5 gram Encore Sampler                  | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-06C        | 5 gram Encore Sampler                  | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-06D        | Plastic 2oz unpreserved for TS         | C             | NA                |                 | 3.2               | Y           | Absent      |                         | TS(7)  |
| L2231035-06E        | Metals Only-Glass 60mL/2oz unpreserved | C             | NA                |                 | 3.2               | Y           | Absent      |                         | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),FE-TI(180),MN-TI(180),MG-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L2231035-06F        | Glass 120ml/4oz unpreserved            | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365),HERB-8151(14),HEXCR-7196(30)  |
| L2231035-06G        | Glass 500ml/16oz unpreserved           | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365),HERB-8151(14),HEXCR-7196(30)  |
| L2231035-06X        | Vial MeOH preserved split              | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-06Y        | Vial Water preserved split             | C             | NA                |                 | 3.2               | Y           | Absent      | 11-JUN-22 08:17         | NYTCL-8260HLW(14)  |
| L2231035-06Z        | Vial Water preserved split             | C             | NA                |                 | 3.2               | Y           | Absent      | 11-JUN-22 08:17         | NYTCL-8260HLW(14)  |
| L2231035-07A        | 5 gram Encore Sampler                  | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-07B        | 5 gram Encore Sampler                  | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-07C        | 5 gram Encore Sampler                  | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-07D        | Plastic 2oz unpreserved for TS         | C             | NA                |                 | 3.2               | Y           | Absent      |                         | TS(7)  |
| L2231035-07E        | Metals Only-Glass 60mL/2oz unpreserved | C             | NA                |                 | 3.2               | Y           | Absent      |                         | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180) |
| L2231035-07F        | Glass 120ml/4oz unpreserved            | C             | NA                |                 | 3.2               | Y           | Absent      |                         | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365),HERB-8151(14),HEXCR-7196(30)  |
| L2231035-07G        | Glass 500ml/16oz unpreserved           | C             | NA                |                 | 3.2               | Y           | Absent      |                         | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365),HERB-8151(14),HEXCR-7196(30)  |
| L2231035-07X        | Vial MeOH preserved split              | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-07Y        | Vial Water preserved split             | C             | NA                |                 | 3.2               | Y           | Absent      | 11-JUN-22 08:17         | NYTCL-8260HLW(14)  |
| L2231035-07Z        | Vial Water preserved split             | C             | NA                |                 | 3.2               | Y           | Absent      | 11-JUN-22 08:17         | NYTCL-8260HLW(14)  |
| L2231035-08A        | 5 gram Encore Sampler                  | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |

\*Values in parentheses indicate holding time in days



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**Container Information**

| <b>Container ID</b> | <b>Container Type</b>                  | <b>Cooler</b> | <b>Initial pH</b> | <b>Final pH</b> | <b>Temp deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen Date/Time</b> | <b>Analysis(*)</b>   |
|---------------------|--|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--|
| L2231035-08B        | 5 gram Encore Sampler                  | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-08C        | 5 gram Encore Sampler                  | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-08D        | Plastic 2oz unpreserved for TS         | C             | NA                |                 | 3.2               | Y           | Absent      |                         | TS(7)  |
| L2231035-08E        | Metals Only-Glass 60mL/2oz unpreserved | C             | NA                |                 | 3.2               | Y           | Absent      |                         | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180) |
| L2231035-08F        | Glass 120ml/4oz unpreserved            | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2231035-08G        | Glass 500ml/16oz unpreserved           | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2231035-08X        | Vial MeOH preserved split              | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-08Y        | Vial Water preserved split             | C             | NA                |                 | 3.2               | Y           | Absent      | 11-JUN-22 08:17         | NYTCL-8260HLW(14)  |
| L2231035-08Z        | Vial Water preserved split             | C             | NA                |                 | 3.2               | Y           | Absent      | 11-JUN-22 08:17         | NYTCL-8260HLW(14)  |
| L2231035-09A        | 5 gram Encore Sampler                  | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-09B        | 5 gram Encore Sampler                  | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-09C        | 5 gram Encore Sampler                  | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-09D        | Plastic 2oz unpreserved for TS         | C             | NA                |                 | 3.2               | Y           | Absent      |                         | TS(7)  |
| L2231035-09E        | Metals Only-Glass 60mL/2oz unpreserved | C             | NA                |                 | 3.2               | Y           | Absent      |                         | BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MN-TI(180),MG-TI(180),HG-T(28),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180) |
| L2231035-09F        | Glass 120ml/4oz unpreserved            | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365),HERB-8151(14),HEXCR-7196(30)  |
| L2231035-09G        | Glass 500ml/16oz unpreserved           | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365),HERB-8151(14),HEXCR-7196(30)  |
| L2231035-09X        | Vial MeOH preserved split              | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-09Y        | Vial Water preserved split             | C             | NA                |                 | 3.2               | Y           | Absent      | 11-JUN-22 08:17         | NYTCL-8260HLW(14)  |
| L2231035-09Z        | Vial Water preserved split             | C             | NA                |                 | 3.2               | Y           | Absent      | 11-JUN-22 08:17         | NYTCL-8260HLW(14)  |
| L2231035-10A        | Vial HCl preserved                     | A             | NA                |                 | 5.1               | Y           | Absent      |                         | NYTCL-8260(14)   |

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**Container Information**

| <b>Container ID</b> | <b>Container Type</b>                  | <b>Cooler</b> | <b>Initial pH</b> | <b>Final pH</b> | <b>Temp deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen Date/Time</b> | <b>Analysis(*)</b>   |
|---------------------|--|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--|
| L2231035-10B        | Vial HCl preserved                     | A             | NA                |                 | 5.1               | Y           | Absent      |                         | NYTCL-8260(14)   |
| L2231035-11A        | 5 gram Encore Sampler                  | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-11B        | 5 gram Encore Sampler                  | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-11C        | 5 gram Encore Sampler                  | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-11D        | Plastic 2oz unpreserved for TS         | C             | NA                |                 | 3.2               | Y           | Absent      |                         | TS(7)  |
| L2231035-11E        | Metals Only-Glass 60mL/2oz unpreserved | C             | NA                |                 | 3.2               | Y           | Absent      |                         | BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L2231035-11F        | Glass 120ml/4oz unpreserved            | C             | NA                |                 | 3.2               | Y           | Absent      |                         | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365),HERB-8151(14),HEXCR-7196(30)  |
| L2231035-11G        | Glass 500ml/16oz unpreserved           | C             | NA                |                 | 3.2               | Y           | Absent      |                         | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365),HERB-8151(14),HEXCR-7196(30)  |
| L2231035-11X        | Vial MeOH preserved split              | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-11Y        | Vial Water preserved split             | C             | NA                |                 | 3.2               | Y           | Absent      | 11-JUN-22 10:53         | NYTCL-8260HLW(14)  |
| L2231035-11Z        | Vial Water preserved split             | C             | NA                |                 | 3.2               | Y           | Absent      | 11-JUN-22 10:53         | NYTCL-8260HLW(14)  |
| L2231035-12A        | 5 gram Encore Sampler                  | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-12B        | 5 gram Encore Sampler                  | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-12C        | 5 gram Encore Sampler                  | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-12D        | Plastic 2oz unpreserved for TS         | C             | NA                |                 | 3.2               | Y           | Absent      |                         | TS(7)  |
| L2231035-12E        | Metals Only-Glass 60mL/2oz unpreserved | C             | NA                |                 | 3.2               | Y           | Absent      |                         | BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180) |
| L2231035-12F        | Glass 120ml/4oz unpreserved            | C             | NA                |                 | 3.2               | Y           | Absent      |                         | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365),HERB-8151(14),HEXCR-7196(30)  |
| L2231035-12G        | Glass 500ml/16oz unpreserved           | C             | NA                |                 | 3.2               | Y           | Absent      |                         | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365),HERB-8151(14),HEXCR-7196(30)  |
| L2231035-12X        | Vial MeOH preserved split              | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-12Y        | Vial Water preserved split             | C             | NA                |                 | 3.2               | Y           | Absent      | 11-JUN-22 10:53         | NYTCL-8260HLW(14)  |

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**Container Information**

| <b>Container ID</b> | <b>Container Type</b>                  | <b>Cooler</b> | <b>Initial pH</b> | <b>Final pH</b> | <b>Temp deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen Date/Time</b> | <b>Analysis(*)</b>   |
|---------------------|--|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--|
| L2231035-12Z        | Vial Water preserved split             | C             | NA                |                 | 3.2               | Y           | Absent      | 11-JUN-22 10:53         | NYTCL-8260HLW(14)  |
| L2231035-13A        | 5 gram Encore Sampler                  | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-13B        | 5 gram Encore Sampler                  | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-13C        | 5 gram Encore Sampler                  | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-13D        | Plastic 2oz unpreserved for TS         | C             | NA                |                 | 3.2               | Y           | Absent      |                         | TS(7)  |
| L2231035-13E        | Metals Only-Glass 60mL/2oz unpreserved | C             | NA                |                 | 3.2               | Y           | Absent      |                         | BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L2231035-13F        | Glass 120ml/4oz unpreserved            | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2231035-13G        | Glass 500ml/16oz unpreserved           | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2231035-13X        | Vial MeOH preserved split              | C             | NA                |                 | 3.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231035-13Y        | Vial Water preserved split             | C             | NA                |                 | 3.2               | Y           | Absent      | 11-JUN-22 10:53         | NYTCL-8260HLW(14)  |
| L2231035-13Z        | Vial Water preserved split             | C             | NA                |                 | 3.2               | Y           | Absent      | 11-JUN-22 10:53         | NYTCL-8260HLW(14)  |

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## GLOSSARY

### Acronyms

|          |  |
|----------|--|
| DL       | - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  |
| EDL      | - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).   |
| EMPC     | - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.   |
| EPA      | - Environmental Protection Agency.   |
| LCS      | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.  |
| LCSD     | - Laboratory Control Sample Duplicate: Refer to LCS.   |
| LFB      | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.   |
| LOD      | - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)   |
| LOQ      | - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)<br><br>Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) |
| MDL      | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.  |
| MS       | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.  |
| MSD      | - Matrix Spike Sample Duplicate: Refer to MS.  |
| NA       | - Not Applicable.  |
| NC       | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.   |
| NDPA/DPA | - N-Nitrosodiphenylamine/Diphenylamine.  |
| NI       | - Not Ignitable.   |
| NP       | - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.  |
| NR       | - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.  |
| RL       | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.   |
| RPD      | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.  |
| SRM      | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.   |
| STLP     | - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.  |
| TEF      | - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.   |
| TEQ      | - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.  |
| TIC      | - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.  |

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Chlordane:** The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Gasoline Range Organics (GRO):** Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers





**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
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#### **Data Qualifiers**

Identified Compounds (TICs).

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231035  
**Report Date:** 06/27/22

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 625/625.1:** alpha-Terpineol

**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LCHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

**SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

**EPA 522, EPA 537.1.**

#### Non-Potable Water


**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.


**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1 Hg.**

**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

|   |   |  |   |   |   |   |                      |                                      |                          |                        |                         |                    |                    |                        |                         |  |    |
|---|---|--|---|---|---|---|----------------------|--------------------------------------|--------------------------|------------------------|-------------------------|--------------------|--------------------|------------------------|-------------------------|--|----|
|   | <b>NEW YORK CHAIN OF CUSTODY</b>  | <b>Service Centers</b><br>Mahwah, NJ 07430: 35 Whitney Rd, Suite 5<br>Albany, NY 12205: 14 Walker Way<br>Tonawanda, NY 14150: 275 Cooper Ave, Suite 105  | Page 1<br>of 2  | Date Rec'd<br>in Lab 6/10/22  | ALPHA Job #<br>L2231035   |   |                      |                                      |                          |                        |                         |                    |                    |                        |                         |  |    |
|   | Westborough, MA 01581<br>8 Walkup Dr.<br>TEL: 508-898-9220<br>FAX: 508-898-9193 | Mansfield, MA 02048<br>320 Forbes Blvd<br>TEL: 508-822-8300<br>FAX: 508-822-3288   | <b>Project Information</b><br>Project Name: 40-40 Northern Blvd<br>Project Location: 40-40 Northern Blvd<br>Project # 3883.00014000<br>(Use Project name as Project #) <input type="checkbox"/> |   | <b>Deliverables</b><br><input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B<br><input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File)<br><input type="checkbox"/> Other      | <b>Billing Information</b><br><input checked="" type="checkbox"/> Same as Client Info<br>PO # |                      |                                      |                          |                        |                         |                    |                    |                        |                         |  |    |
| <b>Client Information</b><br>Client: ROUX<br>Address: 209 Shafter St<br>Islandia NY 11749<br>Phone: 631-232-2600<br>Fax:<br>Email: ebutler@rouxinc.com  |   | <b>Project Manager:</b> Emily Butler<br><b>ALPHAQuote #:</b><br><b>Turn-Around Time</b><br>Standard <input checked="" type="checkbox"/> Due Date:<br>Rush (only if pre approved) <input type="checkbox"/> # of Days: |   | <b>Regulatory Requirement</b><br><input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375<br><input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51<br><input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other<br><input type="checkbox"/> NY Unrestricted Use<br><input type="checkbox"/> NYC Sewer Discharge | <b>Disposal Site Information</b><br>Please identify below location of applicable disposal facilities.<br>Disposal Facility:<br><input type="checkbox"/> NJ <input type="checkbox"/> NY<br><input type="checkbox"/> Other: |   |                      |                                      |                          |                        |                         |                    |                    |                        |                         |  |    |
| These samples have been previously analyzed by Alpha <input type="checkbox"/><br>Other project specific requirements/comments:<br>Cat B Deliverables  |   |  |   | <b>ANALYSIS</b>   |   |   |                      |                                      |                          |                        |                         |                    |                    |                        |                         |  |    |
| Please specify Metals or TAL.   |   |  |   | <b>Sample Filtration</b><br><input type="checkbox"/> Done<br><input type="checkbox"/> Lab to do<br><b>Preservation</b><br><input type="checkbox"/> Lab to do<br>(Please Specify below)  |   |   |                      |                                      |                          |                        |                         |                    |                    |                        |                         |  |    |
| ALPHA Lab ID (Lab Use Only)   | Sample ID   | Collection Date  | Collection Time   | Sample Matrix   | Sampler's Initials  | TCL VOCs EPA 8210C  | NTCL SVOCs EPA 8210D | HAPs EPA 8210 Long List              | TCL Pesticides EPA 8081B | Total Solids S.M. 2540 | Total Cyanide S.M. 4500 | Hex Chrom EPA 7196 | TCL PCBs EPA 8082A | TAL Metals Total 6010D | Total Mercury EPA 7471B | Total Bottle   |    |
| 31035-01  | FB-061022   | 6/10/22  | 0900  | W   | LJ  | X   | X                    | X                                    | X                        | X                      | X                       | X                  | X                  | X                      | X                       | X  | 16 |
| -02   | SB017 (0-2)   |  | 0920  | S   |   | X   | X                    | X                                    | X                        | X                      | X                       | X                  | X                  | X                      | X                       | X  | 7  |
| -03   | SB017 (2-4)   |  | 0930  |   |   | X   | X                    | X                                    | X                        | X                      | X                       | X                  | X                  | X                      | X                       | X  | 7  |
| -04   | SB016 (0-2)   |  | 1000  |   |   | X   | X                    | X                                    | X                        | X                      | X                       | X                  | X                  | X                      | X                       | X  | 7  |
| -05   | SB016 (2-4)   |  | 1010  |   |   | X   | X                    | X                                    | X                        | X                      | X                       | X                  | X                  | X                      | X                       | X  | 7  |
| -06   | SB012 (0-2)   |  | 1130  |   |   | X   | X                    | X                                    | X                        | X                      | X                       | X                  | X                  | X                      | X                       | X  | 7  |
| -07   | DUP-061022  |  | 1200  |   |   | X   | X                    | X                                    | X                        | X                      | X                       | X                  | X                  | X                      | X                       | X  | 7  |
| -08   | SB012 (12-14)   |  | 1230  |   |   | X   | X                    | X                                    | X                        | X                      | X                       | X                  | X                  | X                      | X                       | X  | 7  |
| -09   | SB012 (15-17)   |  | 1240  | ↓   | ↓   | X   | X                    | X                                    | X                        | X                      | X                       | X                  | X                  | X                      | X                       | X  | 7  |
| -10   | TB-061022   | 5/4/22   |   | W   |   | X   |                      |                                      |                          |                        |                         |                    |                    |                        |                         |  | 2  |
| Preservative Code:<br>A = None<br>B = HCl<br>C = HNO <sub>3</sub><br>D = H <sub>2</sub> SO <sub>4</sub><br>E = NaOH<br>F = MeOH<br>G = NaHSO <sub>4</sub><br>H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub><br>K/E = Zn Ac/NaOH<br>O = Other |   | Container Code:<br>P = Plastic<br>A = Amber Glass<br>V = Vial<br>G = Glass<br>B = Bacteria Cup<br>C = Cube<br>O = Other<br>E = Encore<br>D = BOD Bottle  |   | Westboro: Certification No: MA935<br>Mansfield: Certification No: MA015   |   | Container Type<br>Preservative  |                      | E A A P A A A A A<br>A A A A A A A A |                          |                        |                         |                    |                    |                        |                         | Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.) |    |
| Relinquished By:<br>Lauren Jenkins<br>Date/Time: 6/10/22 1525   |   | Received By:<br>DAN QUARMY<br>Date/Time: 6/10/22 2345  |   | Relinquished By:<br>Date/Time: 6/10/22 1748   |   | Received By:<br>Date/Time: 6/10/22 1930   |                      |                                      |                          |                        |                         |                    |                    |                        |                         |  |    |
| Form No: 01-25 HC (rev. 30-Sept-2013)   |   | Relinquished By:<br>Date/Time: 6/10/22 2345  |   | Received By:<br>Date/Time: 6/10/22 2345   |   |   |                      |                                      |                          |                        |                         |                    |                    |                        |                         |  |    |

|   |   |  |  |   |   |                    |                      |                          |                     |  |                        |                         |                    |                        |                         |
|---|---|--|--|---|---|--------------------|----------------------|--------------------------|---------------------|--|------------------------|-------------------------|--------------------|------------------------|-------------------------|
| <br><b>NEW YORK CHAIN OF CUSTODY</b>  | <b>Service Centers</b><br>Mahwah, NJ 07430: 35 Whitney Rd, Suite 5<br>Albany, NY 12205: 14 Walker Way<br>Tonawanda, NY 14150: 275 Cooper Ave, Suite 105 | Page <u>2</u>  | Date Rec'd<br>in Lab <u>6/10/22</u>  | ALPHA Job #<br><u>L2231035</u>                                    |   |                    |                      |                          |                     |  |                        |                         |                    |                        |                         |
|   |   | of <u>2</u>  |  |   |   |                    |                      |                          |                     |  |                        |                         |                    |                        |                         |
| Westborough, MA 01581<br>8 Walkup Dr.<br>TEL: 508-898-9220<br>FAX: 508-898-9193   | Mansfield, MA 02048<br>320 Forbes Blvd<br>TEL: 508-822-9300<br>FAX: 508-822-3288  | <b>Project Information</b>   |  | <b>Deliverables</b>   | <b>Billing Information</b>                              |                    |                      |                          |                     |  |                        |                         |                    |                        |                         |
| <b>Client Information</b>   |   | Project Name: <u>40-40 Northern Blvd</u>   |  | <input type="checkbox"/> ASP-A                                    | <input checked="" type="checkbox"/> Same as Client Info |                    |                      |                          |                     |  |                        |                         |                    |                        |                         |
| Client: <u>ROUX</u>   |   | Project Location: <u>40-40 Northern Blvd</u>   |  | <input type="checkbox"/> EQUIS (1 File)                           | PO #  |                    |                      |                          |                     |  |                        |                         |                    |                        |                         |
| Address: <u>209 Shafter St</u>  |   | Project # <u>3883.0001Y000</u>   |  | <input type="checkbox"/> Other                                    |   |                    |                      |                          |                     |  |                        |                         |                    |                        |                         |
| Islandia NY 11749   |   | (Use Project name as Project #) <input type="checkbox"/>   |  | <b>Regulatory Requirement</b>                                     |   |                    |                      |                          |                     |  |                        |                         |                    |                        |                         |
| Phone: <u>631-232-2600</u>  |   | Project Manager:   |  | <input type="checkbox"/> NY TOGS                                  | <input type="checkbox"/> NY Part 375                    |                    |                      |                          |                     |  |                        |                         |                    |                        |                         |
| Fax:  |   | ALPHAQuote #:  |  | <input type="checkbox"/> AWQ Standards                            | <input type="checkbox"/> NY CP-51                       |                    |                      |                          |                     |  |                        |                         |                    |                        |                         |
| Email: <u>ebutler@rouxinc.com</u>   |   | Turn-Around Time   |  | <input type="checkbox"/> NY Restricted Use                        | <input type="checkbox"/> Other                          |                    |                      |                          |                     |  |                        |                         |                    |                        |                         |
|   |   | Standard <input checked="" type="checkbox"/>   |  | <input type="checkbox"/> NY Unrestricted Use                      |   |                    |                      |                          |                     |  |                        |                         |                    |                        |                         |
|   |   | Rush (only if pre approved) <input type="checkbox"/>   |  | <input type="checkbox"/> NYC Sewer Discharge                      | <b>Disposal Site Information</b>                        |                    |                      |                          |                     |  |                        |                         |                    |                        |                         |
|   |   | Due Date:  |  | Please identify below location of applicable disposal facilities. |   |                    |                      |                          |                     |  |                        |                         |                    |                        |                         |
|   |   | # of Days:   |  | Disposal Facility:  |   |                    |                      |                          |                     |  |                        |                         |                    |                        |                         |
|   |   |  |  | <input type="checkbox"/> NJ <input type="checkbox"/> NY           |   |                    |                      |                          |                     |  |                        |                         |                    |                        |                         |
|   |   |  |  | <input type="checkbox"/> Other:                                   |   |                    |                      |                          |                     |  |                        |                         |                    |                        |                         |
| These samples have been previously analyzed by Alpha <input type="checkbox"/>   |   |  | <b>ANALYSIS</b>  |   |   |                    |                      |                          |                     |  |                        |                         |                    |                        |                         |
| Other project specific requirements/comments:   |   |  | <table border="1" style="width:100%; font-size: x-small;"> <tr> <td>TCL VOCs EPA 8260C</td> <td>TCL SVOCs EPA 8270D</td> <td>HEC6 EPA 8151A Long List</td> <td>TCL PAHs EPA 8081B</td> <td>Total Solids SM 2540</td> <td>Total Cyanide SM 4500</td> <td>Hex Chlorm EPA 7196</td> <td>TCL PCBs EPA 8082A</td> <td>TAL Metals total 6010D</td> <td>Total Mercury EPA 7471B</td> </tr> </table> |   |   | TCL VOCs EPA 8260C | TCL SVOCs EPA 8270D  | HEC6 EPA 8151A Long List | TCL PAHs EPA 8081B  | Total Solids SM 2540   | Total Cyanide SM 4500  | Hex Chlorm EPA 7196     | TCL PCBs EPA 8082A | TAL Metals total 6010D | Total Mercury EPA 7471B |
| TCL VOCs EPA 8260C  | TCL SVOCs EPA 8270D   | HEC6 EPA 8151A Long List   |  |   |   | TCL PAHs EPA 8081B | Total Solids SM 2540 | Total Cyanide SM 4500    | Hex Chlorm EPA 7196 | TCL PCBs EPA 8082A   | TAL Metals total 6010D | Total Mercury EPA 7471B |                    |                        |                         |
| <u>Cat B Deliverables</u>   |   |  |  |   |   |                    |                      |                          |                     |  |                        |                         |                    |                        |                         |
| Please specify Metals or TAL.   |   |  | <b>Sample Filtration</b>   |   |   |                    |                      |                          |                     |  |                        |                         |                    |                        |                         |
|   |   |  | <input type="checkbox"/> Done<br><input type="checkbox"/> Lab to do<br><input type="checkbox"/> Lab to do<br>(Please Specify below)  |   |   |                    |                      |                          |                     |  |                        |                         |                    |                        |                         |
| ALPHA Lab ID<br>(Lab Use Only)  | Sample ID   | Collection   |  | Sample Matrix   | Sampler's Initials                                      |                    |                      |                          |                     | Total Bottles  |                        |                         |                    |                        |                         |
|   |   | Date   | Time   |   |   |                    |                      |                          |                     |  |                        |                         |                    |                        |                         |
| <u>31035-11</u>   | <u>SB013(0-2)</u>   | <u>6/10/22</u>   | <u>1410</u>  | <u>S</u>  | <u>LJ</u>   | <u>X</u>           | <u>X</u>             | <u>X</u>                 | <u>X</u>            | <u>X</u>   | <u>X</u>               | 7                       |                    |                        |                         |
| <u>-12</u>  | <u>SB013(6-8)</u>   | <u>↓</u>   | <u>1440</u>  | <u>↓</u>  | <u>↓</u>  | <u>X</u>           | <u>X</u>             | <u>X</u>                 | <u>X</u>            | <u>X</u>   | <u>X</u>               | 7                       |                    |                        |                         |
| <u>-13</u>  | <u>SB013(10-12)</u>   | <u>↓</u>   | <u>1455</u>  | <u>↓</u>  | <u>↓</u>  | <u>X</u>           | <u>X</u>             | <u>X</u>                 | <u>X</u>            | <u>X</u>   | <u>X</u>               | 7                       |                    |                        |                         |
| Preservative Code:  |   | Container Code   |  | Westboro: Certification No: MA935                                 |   | Container Type     |                      | Preservative             |                     | Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.) |                        |                         |                    |                        |                         |
| A = None<br>B = HCl<br>C = HNO <sub>3</sub><br>D = H <sub>2</sub> SO <sub>4</sub><br>E = NaOH<br>F = MeOH<br>G = NaHSO <sub>4</sub><br>H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub><br>K/E = Zn Ac/NaOH<br>O = Other |   | P = Plastic<br>A = Amber Glass<br>V = Vial<br>G = Glass<br>B = Bacteria Cup<br>C = Cube<br>O = Other<br>E = Encore<br>D = BOD Bottle |  | Mansfield: Certification No: MA015                                |   | E A A P A A A A A  |                      | A A A A A A A A          |                     |  |                        |                         |                    |                        |                         |
|   |   | Relinquished By:   |  | Date/Time   |   | Received By:       |                      | Date/Time                |                     |  |                        |                         |                    |                        |                         |
|   |   | <u>Laura Jenkins Lynch</u>   |  | <u>6/10/22 1525</u>   |   | <u>[Signature]</u> |                      | <u>6/10/22 1525</u>      |                     |  |                        |                         |                    |                        |                         |
|   |   | <u>[Signature]</u>   |  | <u>6/10/22 1748</u>   |   | <u>[Signature]</u> |                      | <u>6/10/22 1930</u>      |                     |  |                        |                         |                    |                        |                         |
|   |   | <u>[Signature]</u>   |  | <u>6/10/22 2345</u>   |   | <u>[Signature]</u> |                      | <u>6/10/22 2115</u>      |                     |  |                        |                         |                    |                        |                         |
|   |   | <u>[Signature]</u>   |  | <u>6/10/22 2345</u>   |   | <u>[Signature]</u> |                      | <u>6/10/22 2345</u>      |                     |  |                        |                         |                    |                        |                         |



## ANALYTICAL REPORT

|                 |  |
|-----------------|--|
| Lab Number:     | L2231237   |
| Client:         | Roux Env. Eng. & Geology, DPC<br>209 Shafter Street<br>Islandia, NY 11749-5074 |
| ATTN:           | Emily Butler   |
| Phone:          | (631) 630-2432   |
| Project Name:   | 40-40 NORTHERN BLVD  |
| Project Number: | 3883.0001Y000  |
| Report Date:    | 06/25/22   |

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

| <b>Alpha<br/>Sample ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Sample<br/>Location</b> | <b>Collection<br/>Date/Time</b> | <b>Receive Date</b> |
|----------------------------|------------------|---------------|----------------------------|---------------------------------|---------------------|
| L2231237-01                | FB_061322        | WATER         | 40-40 NORTHERN BLVD        | 06/13/22 09:00                  | 06/13/22            |
| L2231237-02                | SB014(0-2)       | SOIL          | 40-40 NORTHERN BLVD        | 06/13/22 10:00                  | 06/13/22            |
| L2231237-03                | SB015(0-2)       | SOIL          | 40-40 NORTHERN BLVD        | 06/13/22 11:40                  | 06/13/22            |
| L2231237-04                | SB014(10-12)     | SOIL          | 40-40 NORTHERN BLVD        | 06/13/22 12:30                  | 06/13/22            |
| L2231237-05                | SB014(14-16)     | SOIL          | 40-40 NORTHERN BLVD        | 06/13/22 12:40                  | 06/13/22            |
| L2231237-06                | SB015(6-8)       | SOIL          | 40-40 NORTHERN BLVD        | 06/13/22 12:50                  | 06/13/22            |
| L2231237-07                | SB015(12-14)     | SOIL          | 40-40 NORTHERN BLVD        | 06/13/22 13:00                  | 06/13/22            |
| L2231237-08                | TB_061322        | WATER         | 40-40 NORTHERN BLVD        | 06/13/22 00:00                  | 06/13/22            |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

**HOLD POLICY** - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

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**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

### Case Narrative (continued)

#### Report Submission

June 25, 2022: This final report includes the results of all requested analyses.

June 20, 2022: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Semivolatile Organics

L2231237-03D: The sample has elevated detection limits due to the dilution required by the sample matrix.

L2231237-04D: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

The WG1650568-2/-3 LCS/LCSD recoveries, associated with L2231237-03D, -04D, -05, -06, and -07, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

#### Pesticides

L2231237-03D and -04D: The sample has elevated detection limits due to the dilution required by the sample matrix.

#### Total Metals

L2231237-02 through -07: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1651650-2 LCS recovery, associated with L2231237-01, is above the acceptance criteria for mercury (126%); however, the associated sample is non-detect to the RL for this target analyte. The results of the original analysis are reported.

#### Cyanide, Total

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**Case Narrative (continued)**

The WG1651400-2/-3 LCS/LCSD recoveries for cyanide, total (77%/70%), associated with L2231237-02 through -07, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits.

The results of the original analyses are reported.

The WG1651400-4/-5 MS/MSD recoveries, performed on L2231237-02, are outside the acceptance criteria for cyanide, total (14%/0%).

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Melissa Sturgis

Title: Technical Director/Representative

Date: 06/25/22

# ORGANICS

# VOLATILES

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

Lab ID: L2231237-01  
 Client ID: FB\_061322  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 09:00  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 06/14/22 12:55  
 Analyst: MV

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by GC/MS - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride                                  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,1-Dichloroethane                                  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Chloroform  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Carbon tetrachloride                                | ND     |           | ug/l  | 0.50 | 0.13 | 1               |
| 1,2-Dichloropropane                                 | ND     |           | ug/l  | 1.0  | 0.14 | 1               |
| Dibromochloromethane                                | ND     |           | ug/l  | 0.50 | 0.15 | 1               |
| 1,1,2-Trichloroethane                               | ND     |           | ug/l  | 1.5  | 0.50 | 1               |
| Tetrachloroethene                                   | ND     |           | ug/l  | 0.50 | 0.18 | 1               |
| Chlorobenzene                                       | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Trichlorofluoromethane                              | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dichloroethane                                  | ND     |           | ug/l  | 0.50 | 0.13 | 1               |
| 1,1,1-Trichloroethane                               | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromodichloromethane                                | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| trans-1,3-Dichloropropene                           | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| cis-1,3-Dichloropropene                             | ND     |           | ug/l  | 0.50 | 0.14 | 1               |
| 1,3-Dichloropropene, Total                          | ND     |           | ug/l  | 0.50 | 0.14 | 1               |
| 1,1-Dichloropropene                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromoform   | ND     |           | ug/l  | 2.0  | 0.65 | 1               |
| 1,1,1,2,2-Tetrachloroethane                         | ND     |           | ug/l  | 0.50 | 0.17 | 1               |
| Benzene   | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| Toluene   | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Ethylbenzene  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Chloromethane                                       | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromomethane  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Vinyl chloride                                      | ND     |           | ug/l  | 1.0  | 0.07 | 1               |
| Chloroethane  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,1-Dichloroethene                                  | ND     |           | ug/l  | 0.50 | 0.17 | 1               |
| trans-1,2-Dichloroethene                            | ND     |           | ug/l  | 2.5  | 0.70 | 1               |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

## SAMPLE RESULTS

Lab ID: L2231237-01

Date Collected: 06/13/22 09:00

Client ID: FB\_061322

Date Received: 06/13/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Trichloroethene                              | ND     |           | ug/l  | 0.50 | 0.18 | 1               |
| 1,2-Dichlorobenzene                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Methyl tert butyl ether                      | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| p/m-Xylene                                   | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| o-Xylene                                     | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Xylenes, Total                               | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dichloroethene, Total                    | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Dibromomethane                               | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 1,2,3-Trichloropropane                       | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Acrylonitrile                                | ND     |           | ug/l  | 5.0  | 1.5  | 1               |
| Styrene                                      | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| Acetone                                      | 1.5    | J         | ug/l  | 5.0  | 1.5  | 1               |
| Carbon disulfide                             | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 2-Butanone                                   | ND     |           | ug/l  | 5.0  | 1.9  | 1               |
| Vinyl acetate                                | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 2-Hexanone                                   | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| Bromochloromethane                           | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 2,2-Dichloropropane                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/l  | 2.0  | 0.65 | 1               |
| 1,3-Dichloropropane                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,1,1,2-Tetrachloroethane                    | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromobenzene                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| n-Butylbenzene                               | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| sec-Butylbenzene                             | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| tert-Butylbenzene                            | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| o-Chlorotoluene                              | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| p-Chlorotoluene                              | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Hexachlorobutadiene                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Isopropylbenzene                             | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| p-Isopropyltoluene                           | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Naphthalene                                  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-01  
**Client ID:** FB\_061322  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 09:00  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| <b>Volatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,3,5-Trimethylbenzene                              | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,2,4-Trimethylbenzene                              | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,4-Dioxane   | ND     |           | ug/l  | 250 | 61.  | 1               |
| p-Diethylbenzene                                    | ND     |           | ug/l  | 2.0 | 0.70 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/l  | 2.0 | 0.70 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | ND     |           | ug/l  | 2.0 | 0.54 | 1               |
| Ethyl ether   | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/l  | 2.5 | 0.70 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 106        |           | 70-130              |
| Toluene-d8            | 101        |           | 70-130              |
| 4-Bromofluorobenzene  | 91         |           | 70-130              |
| Dibromofluoromethane  | 102        |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

Lab ID: L2231237-02  
 Client ID: SB014(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 10:00  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 06/16/22 01:13  
 Analyst: NLK  
 Percent Solids: 97%

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride   | ND     |           | ug/kg | 6.8  | 3.1  | 1               |
| 1,1-Dichloroethane   | ND     |           | ug/kg | 1.4  | 0.20 | 1               |
| Chloroform   | ND     |           | ug/kg | 2.0  | 0.19 | 1               |
| Carbon tetrachloride                                       | ND     |           | ug/kg | 1.4  | 0.31 | 1               |
| 1,2-Dichloropropane  | ND     |           | ug/kg | 1.4  | 0.17 | 1               |
| Dibromochloromethane                                       | ND     |           | ug/kg | 1.4  | 0.19 | 1               |
| 1,1,2-Trichloroethane                                      | ND     |           | ug/kg | 1.4  | 0.36 | 1               |
| Tetrachloroethene  | ND     |           | ug/kg | 0.68 | 0.27 | 1               |
| Chlorobenzene  | ND     |           | ug/kg | 0.68 | 0.17 | 1               |
| Trichlorofluoromethane                                     | ND     |           | ug/kg | 5.5  | 0.95 | 1               |
| 1,2-Dichloroethane   | ND     |           | ug/kg | 1.4  | 0.35 | 1               |
| 1,1,1-Trichloroethane                                      | ND     |           | ug/kg | 0.68 | 0.23 | 1               |
| Bromodichloromethane                                       | ND     |           | ug/kg | 0.68 | 0.15 | 1               |
| trans-1,3-Dichloropropene                                  | ND     |           | ug/kg | 1.4  | 0.37 | 1               |
| cis-1,3-Dichloropropene                                    | ND     |           | ug/kg | 0.68 | 0.22 | 1               |
| 1,3-Dichloropropene, Total                                 | ND     |           | ug/kg | 0.68 | 0.22 | 1               |
| 1,1-Dichloropropene  | ND     |           | ug/kg | 0.68 | 0.22 | 1               |
| Bromoform  | ND     |           | ug/kg | 5.5  | 0.34 | 1               |
| 1,1,2,2-Tetrachloroethane                                  | ND     |           | ug/kg | 0.68 | 0.23 | 1               |
| Benzene  | ND     |           | ug/kg | 0.68 | 0.23 | 1               |
| Toluene  | ND     |           | ug/kg | 1.4  | 0.74 | 1               |
| Ethylbenzene   | ND     |           | ug/kg | 1.4  | 0.19 | 1               |
| Chloromethane  | ND     |           | ug/kg | 5.5  | 1.3  | 1               |
| Bromomethane   | ND     |           | ug/kg | 2.7  | 0.80 | 1               |
| Vinyl chloride   | ND     |           | ug/kg | 1.4  | 0.46 | 1               |
| Chloroethane   | ND     |           | ug/kg | 2.7  | 0.62 | 1               |
| 1,1-Dichloroethene   | ND     |           | ug/kg | 1.4  | 0.32 | 1               |
| trans-1,2-Dichloroethene                                   | ND     |           | ug/kg | 2.0  | 0.19 | 1               |



**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2231237**Project Number:** 3883.0001Y000**Report Date:** 06/25/22**SAMPLE RESULTS**

Lab ID: L2231237-02  
 Client ID: SB014(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 10:00  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |      |                 |
| Trichloroethene                                     | ND     |           | ug/kg | 0.68 | 0.19 | 1               |
| 1,2-Dichlorobenzene                                 | ND     |           | ug/kg | 2.7  | 0.20 | 1               |
| 1,3-Dichlorobenzene                                 | ND     |           | ug/kg | 2.7  | 0.20 | 1               |
| 1,4-Dichlorobenzene                                 | ND     |           | ug/kg | 2.7  | 0.23 | 1               |
| Methyl tert butyl ether                             | ND     |           | ug/kg | 2.7  | 0.28 | 1               |
| p/m-Xylene  | ND     |           | ug/kg | 2.7  | 0.77 | 1               |
| o-Xylene  | ND     |           | ug/kg | 1.4  | 0.40 | 1               |
| Xylenes, Total                                      | ND     |           | ug/kg | 1.4  | 0.40 | 1               |
| cis-1,2-Dichloroethene                              | ND     |           | ug/kg | 1.4  | 0.24 | 1               |
| 1,2-Dichloroethene, Total                           | ND     |           | ug/kg | 1.4  | 0.19 | 1               |
| Dibromomethane                                      | ND     |           | ug/kg | 2.7  | 0.32 | 1               |
| Styrene   | ND     |           | ug/kg | 1.4  | 0.27 | 1               |
| Dichlorodifluoromethane                             | ND     |           | ug/kg | 14   | 1.2  | 1               |
| Acetone   | ND     |           | ug/kg | 14   | 6.6  | 1               |
| Carbon disulfide                                    | ND     |           | ug/kg | 14   | 6.2  | 1               |
| 2-Butanone  | ND     |           | ug/kg | 14   | 3.0  | 1               |
| Vinyl acetate                                       | ND     |           | ug/kg | 14   | 2.9  | 1               |
| 4-Methyl-2-pentanone                                | ND     |           | ug/kg | 14   | 1.8  | 1               |
| 1,2,3-Trichloropropane                              | ND     |           | ug/kg | 2.7  | 0.17 | 1               |
| 2-Hexanone  | ND     |           | ug/kg | 14   | 1.6  | 1               |
| Bromochloromethane                                  | ND     |           | ug/kg | 2.7  | 0.28 | 1               |
| 2,2-Dichloropropane                                 | ND     |           | ug/kg | 2.7  | 0.28 | 1               |
| 1,2-Dibromoethane                                   | ND     |           | ug/kg | 1.4  | 0.38 | 1               |
| 1,3-Dichloropropane                                 | ND     |           | ug/kg | 2.7  | 0.23 | 1               |
| 1,1,1,2-Tetrachloroethane                           | ND     |           | ug/kg | 0.68 | 0.18 | 1               |
| Bromobenzene  | ND     |           | ug/kg | 2.7  | 0.20 | 1               |
| n-Butylbenzene                                      | ND     |           | ug/kg | 1.4  | 0.23 | 1               |
| sec-Butylbenzene                                    | ND     |           | ug/kg | 1.4  | 0.20 | 1               |
| tert-Butylbenzene                                   | ND     |           | ug/kg | 2.7  | 0.16 | 1               |
| o-Chlorotoluene                                     | ND     |           | ug/kg | 2.7  | 0.26 | 1               |
| p-Chlorotoluene                                     | ND     |           | ug/kg | 2.7  | 0.15 | 1               |
| 1,2-Dibromo-3-chloropropane                         | ND     |           | ug/kg | 4.1  | 1.4  | 1               |
| Hexachlorobutadiene                                 | ND     |           | ug/kg | 5.5  | 0.23 | 1               |
| Isopropylbenzene                                    | ND     |           | ug/kg | 1.4  | 0.15 | 1               |
| p-Isopropyltoluene                                  | ND     |           | ug/kg | 1.4  | 0.15 | 1               |
| Naphthalene   | ND     |           | ug/kg | 5.5  | 0.89 | 1               |
| Acrylonitrile                                       | ND     |           | ug/kg | 5.5  | 1.6  | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-02  
**Client ID:** SB014(0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 10:00  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/kg | 1.4 | 0.23 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/kg | 2.7 | 0.44 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/kg | 2.7 | 0.37 | 1               |
| 1,3,5-Trimethylbenzene                              | ND     |           | ug/kg | 2.7 | 0.26 | 1               |
| 1,2,4-Trimethylbenzene                              | ND     |           | ug/kg | 2.7 | 0.46 | 1               |
| 1,4-Dioxane   | ND     |           | ug/kg | 110 | 48.  | 1               |
| p-Diethylbenzene                                    | ND     |           | ug/kg | 2.7 | 0.24 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/kg | 2.7 | 0.52 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | ND     |           | ug/kg | 2.7 | 0.26 | 1               |
| Ethyl ether   | ND     |           | ug/kg | 2.7 | 0.47 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/kg | 6.8 | 1.9  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 109        |           | 70-130              |
| Toluene-d8            | 103        |           | 70-130              |
| 4-Bromofluorobenzene  | 100        |           | 70-130              |
| Dibromofluoromethane  | 100        |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-03  
**Client ID:** SB015(0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 11:40  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 06/16/22 01:52  
**Analyst:** NLK  
**Percent Solids:** 92%

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride   | ND     |           | ug/kg | 7.4  | 3.4  | 1               |
| 1,1-Dichloroethane   | ND     |           | ug/kg | 1.5  | 0.22 | 1               |
| Chloroform   | ND     |           | ug/kg | 2.2  | 0.21 | 1               |
| Carbon tetrachloride                                       | ND     |           | ug/kg | 1.5  | 0.34 | 1               |
| 1,2-Dichloropropane  | ND     |           | ug/kg | 1.5  | 0.19 | 1               |
| Dibromochloromethane                                       | ND     |           | ug/kg | 1.5  | 0.21 | 1               |
| 1,1,2-Trichloroethane                                      | ND     |           | ug/kg | 1.5  | 0.40 | 1               |
| Tetrachloroethene  | ND     |           | ug/kg | 0.74 | 0.29 | 1               |
| Chlorobenzene  | ND     |           | ug/kg | 0.74 | 0.19 | 1               |
| Trichlorofluoromethane                                     | ND     |           | ug/kg | 6.0  | 1.0  | 1               |
| 1,2-Dichloroethane   | ND     |           | ug/kg | 1.5  | 0.38 | 1               |
| 1,1,1-Trichloroethane                                      | ND     |           | ug/kg | 0.74 | 0.25 | 1               |
| Bromodichloromethane                                       | ND     |           | ug/kg | 0.74 | 0.16 | 1               |
| trans-1,3-Dichloropropene                                  | ND     |           | ug/kg | 1.5  | 0.41 | 1               |
| cis-1,3-Dichloropropene                                    | ND     |           | ug/kg | 0.74 | 0.24 | 1               |
| 1,3-Dichloropropene, Total                                 | ND     |           | ug/kg | 0.74 | 0.24 | 1               |
| 1,1-Dichloropropene  | ND     |           | ug/kg | 0.74 | 0.24 | 1               |
| Bromoform  | ND     |           | ug/kg | 6.0  | 0.37 | 1               |
| 1,1,2,2-Tetrachloroethane                                  | ND     |           | ug/kg | 0.74 | 0.25 | 1               |
| Benzene  | ND     |           | ug/kg | 0.74 | 0.25 | 1               |
| Toluene  | ND     |           | ug/kg | 1.5  | 0.81 | 1               |
| Ethylbenzene   | ND     |           | ug/kg | 1.5  | 0.21 | 1               |
| Chloromethane  | ND     |           | ug/kg | 6.0  | 1.4  | 1               |
| Bromomethane   | ND     |           | ug/kg | 3.0  | 0.86 | 1               |
| Vinyl chloride   | ND     |           | ug/kg | 1.5  | 0.50 | 1               |
| Chloroethane   | ND     |           | ug/kg | 3.0  | 0.67 | 1               |
| 1,1-Dichloroethene   | ND     |           | ug/kg | 1.5  | 0.35 | 1               |
| trans-1,2-Dichloroethene                                   | ND     |           | ug/kg | 2.2  | 0.20 | 1               |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2231237**Project Number:** 3883.0001Y000**Report Date:** 06/25/22**SAMPLE RESULTS**

Lab ID: L2231237-03  
 Client ID: SB015(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 11:40  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| <b>Volatiles Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Trichloroethene   | ND     |           | ug/kg | 0.74 | 0.20 | 1               |
| 1,2-Dichlorobenzene   | ND     |           | ug/kg | 3.0  | 0.21 | 1               |
| 1,3-Dichlorobenzene   | ND     |           | ug/kg | 3.0  | 0.22 | 1               |
| 1,4-Dichlorobenzene   | ND     |           | ug/kg | 3.0  | 0.25 | 1               |
| Methyl tert butyl ether                                     | ND     |           | ug/kg | 3.0  | 0.30 | 1               |
| p/m-Xylene  | ND     |           | ug/kg | 3.0  | 0.83 | 1               |
| o-Xylene  | ND     |           | ug/kg | 1.5  | 0.43 | 1               |
| Xylenes, Total  | ND     |           | ug/kg | 1.5  | 0.43 | 1               |
| cis-1,2-Dichloroethene                                      | ND     |           | ug/kg | 1.5  | 0.26 | 1               |
| 1,2-Dichloroethene, Total                                   | ND     |           | ug/kg | 1.5  | 0.20 | 1               |
| Dibromomethane  | ND     |           | ug/kg | 3.0  | 0.35 | 1               |
| Styrene   | ND     |           | ug/kg | 1.5  | 0.29 | 1               |
| Dichlorodifluoromethane                                     | ND     |           | ug/kg | 15   | 1.4  | 1               |
| Acetone   | ND     |           | ug/kg | 15   | 7.2  | 1               |
| Carbon disulfide  | ND     |           | ug/kg | 15   | 6.8  | 1               |
| 2-Butanone  | ND     |           | ug/kg | 15   | 3.3  | 1               |
| Vinyl acetate   | ND     |           | ug/kg | 15   | 3.2  | 1               |
| 4-Methyl-2-pentanone  | ND     |           | ug/kg | 15   | 1.9  | 1               |
| 1,2,3-Trichloropropane                                      | ND     |           | ug/kg | 3.0  | 0.19 | 1               |
| 2-Hexanone  | ND     |           | ug/kg | 15   | 1.8  | 1               |
| Bromochloromethane  | ND     |           | ug/kg | 3.0  | 0.30 | 1               |
| 2,2-Dichloropropane   | ND     |           | ug/kg | 3.0  | 0.30 | 1               |
| 1,2-Dibromoethane   | ND     |           | ug/kg | 1.5  | 0.42 | 1               |
| 1,3-Dichloropropane   | ND     |           | ug/kg | 3.0  | 0.25 | 1               |
| 1,1,1,2-Tetrachloroethane                                   | ND     |           | ug/kg | 0.74 | 0.20 | 1               |
| Bromobenzene  | ND     |           | ug/kg | 3.0  | 0.22 | 1               |
| n-Butylbenzene  | ND     |           | ug/kg | 1.5  | 0.25 | 1               |
| sec-Butylbenzene  | ND     |           | ug/kg | 1.5  | 0.22 | 1               |
| tert-Butylbenzene   | ND     |           | ug/kg | 3.0  | 0.18 | 1               |
| o-Chlorotoluene   | ND     |           | ug/kg | 3.0  | 0.28 | 1               |
| p-Chlorotoluene   | ND     |           | ug/kg | 3.0  | 0.16 | 1               |
| 1,2-Dibromo-3-chloropropane                                 | ND     |           | ug/kg | 4.5  | 1.5  | 1               |
| Hexachlorobutadiene   | ND     |           | ug/kg | 6.0  | 0.25 | 1               |
| Isopropylbenzene  | ND     |           | ug/kg | 1.5  | 0.16 | 1               |
| p-Isopropyltoluene  | ND     |           | ug/kg | 1.5  | 0.16 | 1               |
| Naphthalene   | ND     |           | ug/kg | 6.0  | 0.97 | 1               |
| Acrylonitrile   | ND     |           | ug/kg | 6.0  | 1.7  | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-03  
**Client ID:** SB015(0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 11:40  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/kg | 1.5 | 0.25 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/kg | 3.0 | 0.48 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/kg | 3.0 | 0.40 | 1               |
| 1,3,5-Trimethylbenzene                              | ND     |           | ug/kg | 3.0 | 0.29 | 1               |
| 1,2,4-Trimethylbenzene                              | ND     |           | ug/kg | 3.0 | 0.50 | 1               |
| 1,4-Dioxane   | ND     |           | ug/kg | 120 | 52.  | 1               |
| p-Diethylbenzene                                    | ND     |           | ug/kg | 3.0 | 0.26 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/kg | 3.0 | 0.57 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | ND     |           | ug/kg | 3.0 | 0.28 | 1               |
| Ethyl ether   | ND     |           | ug/kg | 3.0 | 0.51 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/kg | 7.4 | 2.1  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 109        |           | 70-130              |
| Toluene-d8            | 101        |           | 70-130              |
| 4-Bromofluorobenzene  | 102        |           | 70-130              |
| Dibromofluoromethane  | 87         |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

Lab ID: L2231237-04  
 Client ID: SB014(10-12)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 12:30  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 06/17/22 09:45  
 Analyst: NLK  
 Percent Solids: 92%

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride   | ND     |           | ug/kg | 8.8  | 4.0  | 1               |
| 1,1-Dichloroethane   | ND     |           | ug/kg | 1.8  | 0.26 | 1               |
| Chloroform   | ND     |           | ug/kg | 2.6  | 0.25 | 1               |
| Carbon tetrachloride                                       | ND     |           | ug/kg | 1.8  | 0.40 | 1               |
| 1,2-Dichloropropane  | ND     |           | ug/kg | 1.8  | 0.22 | 1               |
| Dibromochloromethane                                       | ND     |           | ug/kg | 1.8  | 0.25 | 1               |
| 1,1,2-Trichloroethane                                      | ND     |           | ug/kg | 1.8  | 0.47 | 1               |
| Tetrachloroethene  | ND     |           | ug/kg | 0.88 | 0.34 | 1               |
| Chlorobenzene  | ND     |           | ug/kg | 0.88 | 0.22 | 1               |
| Trichlorofluoromethane                                     | ND     |           | ug/kg | 7.0  | 1.2  | 1               |
| 1,2-Dichloroethane   | ND     |           | ug/kg | 1.8  | 0.45 | 1               |
| 1,1,1-Trichloroethane                                      | ND     |           | ug/kg | 0.88 | 0.29 | 1               |
| Bromodichloromethane                                       | ND     |           | ug/kg | 0.88 | 0.19 | 1               |
| trans-1,3-Dichloropropene                                  | ND     |           | ug/kg | 1.8  | 0.48 | 1               |
| cis-1,3-Dichloropropene                                    | ND     |           | ug/kg | 0.88 | 0.28 | 1               |
| 1,3-Dichloropropene, Total                                 | ND     |           | ug/kg | 0.88 | 0.28 | 1               |
| 1,1-Dichloropropene  | ND     |           | ug/kg | 0.88 | 0.28 | 1               |
| Bromoform  | ND     |           | ug/kg | 7.0  | 0.43 | 1               |
| 1,1,2,2-Tetrachloroethane                                  | ND     |           | ug/kg | 0.88 | 0.29 | 1               |
| Benzene  | ND     |           | ug/kg | 0.88 | 0.29 | 1               |
| Toluene  | ND     |           | ug/kg | 1.8  | 0.96 | 1               |
| Ethylbenzene   | ND     |           | ug/kg | 1.8  | 0.25 | 1               |
| Chloromethane  | ND     |           | ug/kg | 7.0  | 1.6  | 1               |
| Bromomethane   | ND     |           | ug/kg | 3.5  | 1.0  | 1               |
| Vinyl chloride   | ND     |           | ug/kg | 1.8  | 0.59 | 1               |
| Chloroethane   | ND     |           | ug/kg | 3.5  | 0.80 | 1               |
| 1,1-Dichloroethene   | ND     |           | ug/kg | 1.8  | 0.42 | 1               |
| trans-1,2-Dichloroethene                                   | ND     |           | ug/kg | 2.6  | 0.24 | 1               |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

## SAMPLE RESULTS

Lab ID: L2231237-04  
 Client ID: SB014(10-12)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 12:30  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |      |                 |
| Trichloroethene                                     | ND     |           | ug/kg | 0.88 | 0.24 | 1               |
| 1,2-Dichlorobenzene                                 | ND     |           | ug/kg | 3.5  | 0.25 | 1               |
| 1,3-Dichlorobenzene                                 | ND     |           | ug/kg | 3.5  | 0.26 | 1               |
| 1,4-Dichlorobenzene                                 | ND     |           | ug/kg | 3.5  | 0.30 | 1               |
| Methyl tert butyl ether                             | ND     |           | ug/kg | 3.5  | 0.35 | 1               |
| p/m-Xylene  | ND     |           | ug/kg | 3.5  | 0.99 | 1               |
| o-Xylene  | 0.77   | J         | ug/kg | 1.8  | 0.51 | 1               |
| Xylenes, Total                                      | 0.77   | J         | ug/kg | 1.8  | 0.51 | 1               |
| cis-1,2-Dichloroethene                              | ND     |           | ug/kg | 1.8  | 0.31 | 1               |
| 1,2-Dichloroethene, Total                           | ND     |           | ug/kg | 1.8  | 0.24 | 1               |
| Dibromomethane                                      | ND     |           | ug/kg | 3.5  | 0.42 | 1               |
| Styrene   | ND     |           | ug/kg | 1.8  | 0.34 | 1               |
| Dichlorodifluoromethane                             | ND     |           | ug/kg | 18   | 1.6  | 1               |
| Acetone   | ND     |           | ug/kg | 18   | 8.5  | 1               |
| Carbon disulfide                                    | ND     |           | ug/kg | 18   | 8.0  | 1               |
| 2-Butanone  | ND     |           | ug/kg | 18   | 3.9  | 1               |
| Vinyl acetate                                       | ND     |           | ug/kg | 18   | 3.8  | 1               |
| 4-Methyl-2-pentanone                                | ND     |           | ug/kg | 18   | 2.2  | 1               |
| 1,2,3-Trichloropropane                              | ND     |           | ug/kg | 3.5  | 0.22 | 1               |
| 2-Hexanone  | ND     |           | ug/kg | 18   | 2.1  | 1               |
| Bromochloromethane                                  | ND     |           | ug/kg | 3.5  | 0.36 | 1               |
| 2,2-Dichloropropane                                 | ND     |           | ug/kg | 3.5  | 0.36 | 1               |
| 1,2-Dibromoethane                                   | ND     |           | ug/kg | 1.8  | 0.49 | 1               |
| 1,3-Dichloropropane                                 | ND     |           | ug/kg | 3.5  | 0.29 | 1               |
| 1,1,1,2-Tetrachloroethane                           | ND     |           | ug/kg | 0.88 | 0.23 | 1               |
| Bromobenzene  | ND     |           | ug/kg | 3.5  | 0.26 | 1               |
| n-Butylbenzene                                      | ND     |           | ug/kg | 1.8  | 0.29 | 1               |
| sec-Butylbenzene                                    | ND     |           | ug/kg | 1.8  | 0.26 | 1               |
| tert-Butylbenzene                                   | ND     |           | ug/kg | 3.5  | 0.21 | 1               |
| o-Chlorotoluene                                     | ND     |           | ug/kg | 3.5  | 0.34 | 1               |
| p-Chlorotoluene                                     | ND     |           | ug/kg | 3.5  | 0.19 | 1               |
| 1,2-Dibromo-3-chloropropane                         | ND     |           | ug/kg | 5.3  | 1.8  | 1               |
| Hexachlorobutadiene                                 | ND     |           | ug/kg | 7.0  | 0.30 | 1               |
| Isopropylbenzene                                    | ND     |           | ug/kg | 1.8  | 0.19 | 1               |
| p-Isopropyltoluene                                  | ND     |           | ug/kg | 1.8  | 0.19 | 1               |
| Naphthalene   | 380    |           | ug/kg | 7.0  | 1.1  | 1               |
| Acrylonitrile                                       | ND     |           | ug/kg | 7.0  | 2.0  | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-04  
**Client ID:** SB014(10-12)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 12:30  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/kg | 1.8 | 0.30 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/kg | 3.5 | 0.57 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/kg | 3.5 | 0.48 | 1               |
| 1,3,5-Trimethylbenzene                              | 0.55   | J         | ug/kg | 3.5 | 0.34 | 1               |
| 1,2,4-Trimethylbenzene                              | 0.96   | J         | ug/kg | 3.5 | 0.59 | 1               |
| 1,4-Dioxane   | ND     |           | ug/kg | 140 | 62.  | 1               |
| p-Diethylbenzene                                    | ND     |           | ug/kg | 3.5 | 0.31 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/kg | 3.5 | 0.68 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | 0.60   | J         | ug/kg | 3.5 | 0.34 | 1               |
| Ethyl ether   | ND     |           | ug/kg | 3.5 | 0.60 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/kg | 8.8 | 2.5  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 102        |           | 70-130              |
| Toluene-d8            | 100        |           | 70-130              |
| 4-Bromofluorobenzene  | 109        |           | 70-130              |
| Dibromofluoromethane  | 103        |           | 70-130              |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

Lab ID: L2231237-05  
 Client ID: SB014(14-16)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 12:40  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 06/16/22 03:09  
 Analyst: NLK  
 Percent Solids: 90%

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride   | ND     |           | ug/kg | 6.4  | 2.9  | 1               |
| 1,1-Dichloroethane   | ND     |           | ug/kg | 1.3  | 0.18 | 1               |
| Chloroform   | 0.71   | J         | ug/kg | 1.9  | 0.18 | 1               |
| Carbon tetrachloride                                       | ND     |           | ug/kg | 1.3  | 0.29 | 1               |
| 1,2-Dichloropropane  | ND     |           | ug/kg | 1.3  | 0.16 | 1               |
| Dibromochloromethane                                       | ND     |           | ug/kg | 1.3  | 0.18 | 1               |
| 1,1,2-Trichloroethane                                      | ND     |           | ug/kg | 1.3  | 0.34 | 1               |
| Tetrachloroethene  | ND     |           | ug/kg | 0.64 | 0.25 | 1               |
| Chlorobenzene  | ND     |           | ug/kg | 0.64 | 0.16 | 1               |
| Trichlorofluoromethane                                     | ND     |           | ug/kg | 5.1  | 0.89 | 1               |
| 1,2-Dichloroethane   | ND     |           | ug/kg | 1.3  | 0.33 | 1               |
| 1,1,1-Trichloroethane                                      | ND     |           | ug/kg | 0.64 | 0.21 | 1               |
| Bromodichloromethane                                       | ND     |           | ug/kg | 0.64 | 0.14 | 1               |
| trans-1,3-Dichloropropene                                  | ND     |           | ug/kg | 1.3  | 0.35 | 1               |
| cis-1,3-Dichloropropene                                    | ND     |           | ug/kg | 0.64 | 0.20 | 1               |
| 1,3-Dichloropropene, Total                                 | ND     |           | ug/kg | 0.64 | 0.20 | 1               |
| 1,1-Dichloropropene  | ND     |           | ug/kg | 0.64 | 0.20 | 1               |
| Bromoform  | ND     |           | ug/kg | 5.1  | 0.31 | 1               |
| 1,1,2,2-Tetrachloroethane                                  | ND     |           | ug/kg | 0.64 | 0.21 | 1               |
| Benzene  | ND     |           | ug/kg | 0.64 | 0.21 | 1               |
| Toluene  | ND     |           | ug/kg | 1.3  | 0.69 | 1               |
| Ethylbenzene   | ND     |           | ug/kg | 1.3  | 0.18 | 1               |
| Chloromethane  | ND     |           | ug/kg | 5.1  | 1.2  | 1               |
| Bromomethane   | ND     |           | ug/kg | 2.6  | 0.74 | 1               |
| Vinyl chloride   | ND     |           | ug/kg | 1.3  | 0.43 | 1               |
| Chloroethane   | ND     |           | ug/kg | 2.6  | 0.58 | 1               |
| 1,1-Dichloroethene   | ND     |           | ug/kg | 1.3  | 0.30 | 1               |
| trans-1,2-Dichloroethene                                   | ND     |           | ug/kg | 1.9  | 0.17 | 1               |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2231237**Project Number:** 3883.0001Y000**Report Date:** 06/25/22**SAMPLE RESULTS**

Lab ID: L2231237-05  
 Client ID: SB014(14-16)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 12:40  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| <b>Volatiles Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Trichloroethene   | ND     |           | ug/kg | 0.64 | 0.17 | 1               |
| 1,2-Dichlorobenzene   | ND     |           | ug/kg | 2.6  | 0.18 | 1               |
| 1,3-Dichlorobenzene   | ND     |           | ug/kg | 2.6  | 0.19 | 1               |
| 1,4-Dichlorobenzene   | ND     |           | ug/kg | 2.6  | 0.22 | 1               |
| Methyl tert butyl ether                                     | ND     |           | ug/kg | 2.6  | 0.26 | 1               |
| p/m-Xylene  | ND     |           | ug/kg | 2.6  | 0.71 | 1               |
| o-Xylene  | ND     |           | ug/kg | 1.3  | 0.37 | 1               |
| Xylenes, Total  | ND     |           | ug/kg | 1.3  | 0.37 | 1               |
| cis-1,2-Dichloroethene                                      | ND     |           | ug/kg | 1.3  | 0.22 | 1               |
| 1,2-Dichloroethene, Total                                   | ND     |           | ug/kg | 1.3  | 0.17 | 1               |
| Dibromomethane  | ND     |           | ug/kg | 2.6  | 0.30 | 1               |
| Styrene   | ND     |           | ug/kg | 1.3  | 0.25 | 1               |
| Dichlorodifluoromethane                                     | ND     |           | ug/kg | 13   | 1.2  | 1               |
| Acetone   | ND     |           | ug/kg | 13   | 6.1  | 1               |
| Carbon disulfide  | ND     |           | ug/kg | 13   | 5.8  | 1               |
| 2-Butanone  | ND     |           | ug/kg | 13   | 2.8  | 1               |
| Vinyl acetate   | ND     |           | ug/kg | 13   | 2.7  | 1               |
| 4-Methyl-2-pentanone  | ND     |           | ug/kg | 13   | 1.6  | 1               |
| 1,2,3-Trichloropropane                                      | ND     |           | ug/kg | 2.6  | 0.16 | 1               |
| 2-Hexanone  | ND     |           | ug/kg | 13   | 1.5  | 1               |
| Bromochloromethane  | ND     |           | ug/kg | 2.6  | 0.26 | 1               |
| 2,2-Dichloropropane   | ND     |           | ug/kg | 2.6  | 0.26 | 1               |
| 1,2-Dibromoethane   | ND     |           | ug/kg | 1.3  | 0.36 | 1               |
| 1,3-Dichloropropane   | ND     |           | ug/kg | 2.6  | 0.21 | 1               |
| 1,1,1,2-Tetrachloroethane                                   | ND     |           | ug/kg | 0.64 | 0.17 | 1               |
| Bromobenzene  | ND     |           | ug/kg | 2.6  | 0.18 | 1               |
| n-Butylbenzene  | ND     |           | ug/kg | 1.3  | 0.21 | 1               |
| sec-Butylbenzene  | ND     |           | ug/kg | 1.3  | 0.19 | 1               |
| tert-Butylbenzene   | ND     |           | ug/kg | 2.6  | 0.15 | 1               |
| o-Chlorotoluene   | ND     |           | ug/kg | 2.6  | 0.24 | 1               |
| p-Chlorotoluene   | ND     |           | ug/kg | 2.6  | 0.14 | 1               |
| 1,2-Dibromo-3-chloropropane                                 | ND     |           | ug/kg | 3.8  | 1.3  | 1               |
| Hexachlorobutadiene   | ND     |           | ug/kg | 5.1  | 0.22 | 1               |
| Isopropylbenzene  | ND     |           | ug/kg | 1.3  | 0.14 | 1               |
| p-Isopropyltoluene  | ND     |           | ug/kg | 1.3  | 0.14 | 1               |
| Naphthalene   | 1.4    | J         | ug/kg | 5.1  | 0.83 | 1               |
| Acrylonitrile   | ND     |           | ug/kg | 5.1  | 1.5  | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-05  
**Client ID:** SB014(14-16)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 12:40  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/kg | 1.3 | 0.22 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/kg | 2.6 | 0.41 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/kg | 2.6 | 0.35 | 1               |
| 1,3,5-Trimethylbenzene                              | ND     |           | ug/kg | 2.6 | 0.25 | 1               |
| 1,2,4-Trimethylbenzene                              | ND     |           | ug/kg | 2.6 | 0.43 | 1               |
| 1,4-Dioxane   | ND     |           | ug/kg | 100 | 45.  | 1               |
| p-Diethylbenzene                                    | ND     |           | ug/kg | 2.6 | 0.22 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/kg | 2.6 | 0.49 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | ND     |           | ug/kg | 2.6 | 0.24 | 1               |
| Ethyl ether   | ND     |           | ug/kg | 2.6 | 0.44 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/kg | 6.4 | 1.8  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 87         |           | 70-130              |
| Toluene-d8            | 107        |           | 70-130              |
| 4-Bromofluorobenzene  | 103        |           | 70-130              |
| Dibromofluoromethane  | 94         |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

Lab ID: L2231237-06  
 Client ID: SB015(6-8)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 12:50  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 06/16/22 03:48  
 Analyst: NLK  
 Percent Solids: 93%

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride   | ND     |           | ug/kg | 6.6  | 3.0  | 1               |
| 1,1-Dichloroethane   | ND     |           | ug/kg | 1.3  | 0.19 | 1               |
| Chloroform   | ND     |           | ug/kg | 2.0  | 0.18 | 1               |
| Carbon tetrachloride                                       | ND     |           | ug/kg | 1.3  | 0.30 | 1               |
| 1,2-Dichloropropane  | ND     |           | ug/kg | 1.3  | 0.16 | 1               |
| Dibromochloromethane                                       | ND     |           | ug/kg | 1.3  | 0.18 | 1               |
| 1,1,2-Trichloroethane                                      | ND     |           | ug/kg | 1.3  | 0.35 | 1               |
| Tetrachloroethene  | ND     |           | ug/kg | 0.66 | 0.26 | 1               |
| Chlorobenzene  | ND     |           | ug/kg | 0.66 | 0.17 | 1               |
| Trichlorofluoromethane                                     | ND     |           | ug/kg | 5.3  | 0.92 | 1               |
| 1,2-Dichloroethane   | ND     |           | ug/kg | 1.3  | 0.34 | 1               |
| 1,1,1-Trichloroethane                                      | ND     |           | ug/kg | 0.66 | 0.22 | 1               |
| Bromodichloromethane                                       | ND     |           | ug/kg | 0.66 | 0.14 | 1               |
| trans-1,3-Dichloropropene                                  | ND     |           | ug/kg | 1.3  | 0.36 | 1               |
| cis-1,3-Dichloropropene                                    | ND     |           | ug/kg | 0.66 | 0.21 | 1               |
| 1,3-Dichloropropene, Total                                 | ND     |           | ug/kg | 0.66 | 0.21 | 1               |
| 1,1-Dichloropropene  | ND     |           | ug/kg | 0.66 | 0.21 | 1               |
| Bromoform  | ND     |           | ug/kg | 5.3  | 0.32 | 1               |
| 1,1,2,2-Tetrachloroethane                                  | ND     |           | ug/kg | 0.66 | 0.22 | 1               |
| Benzene  | ND     |           | ug/kg | 0.66 | 0.22 | 1               |
| Toluene  | ND     |           | ug/kg | 1.3  | 0.72 | 1               |
| Ethylbenzene   | ND     |           | ug/kg | 1.3  | 0.18 | 1               |
| Chloromethane  | ND     |           | ug/kg | 5.3  | 1.2  | 1               |
| Bromomethane   | ND     |           | ug/kg | 2.6  | 0.77 | 1               |
| Vinyl chloride   | ND     |           | ug/kg | 1.3  | 0.44 | 1               |
| Chloroethane   | ND     |           | ug/kg | 2.6  | 0.60 | 1               |
| 1,1-Dichloroethene   | ND     |           | ug/kg | 1.3  | 0.31 | 1               |
| trans-1,2-Dichloroethene                                   | ND     |           | ug/kg | 2.0  | 0.18 | 1               |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2231237**Project Number:** 3883.0001Y000**Report Date:** 06/25/22**SAMPLE RESULTS**

Lab ID: L2231237-06  
 Client ID: SB015(6-8)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 12:50  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |      |                 |
| Trichloroethene                                     | ND     |           | ug/kg | 0.66 | 0.18 | 1               |
| 1,2-Dichlorobenzene                                 | ND     |           | ug/kg | 2.6  | 0.19 | 1               |
| 1,3-Dichlorobenzene                                 | ND     |           | ug/kg | 2.6  | 0.20 | 1               |
| 1,4-Dichlorobenzene                                 | ND     |           | ug/kg | 2.6  | 0.22 | 1               |
| Methyl tert butyl ether                             | ND     |           | ug/kg | 2.6  | 0.26 | 1               |
| p/m-Xylene  | ND     |           | ug/kg | 2.6  | 0.74 | 1               |
| o-Xylene  | ND     |           | ug/kg | 1.3  | 0.38 | 1               |
| Xylenes, Total                                      | ND     |           | ug/kg | 1.3  | 0.38 | 1               |
| cis-1,2-Dichloroethene                              | ND     |           | ug/kg | 1.3  | 0.23 | 1               |
| 1,2-Dichloroethene, Total                           | ND     |           | ug/kg | 1.3  | 0.18 | 1               |
| Dibromomethane                                      | ND     |           | ug/kg | 2.6  | 0.31 | 1               |
| Styrene   | ND     |           | ug/kg | 1.3  | 0.26 | 1               |
| Dichlorodifluoromethane                             | ND     |           | ug/kg | 13   | 1.2  | 1               |
| Acetone   | ND     |           | ug/kg | 13   | 6.3  | 1               |
| Carbon disulfide                                    | ND     |           | ug/kg | 13   | 6.0  | 1               |
| 2-Butanone  | ND     |           | ug/kg | 13   | 2.9  | 1               |
| Vinyl acetate                                       | ND     |           | ug/kg | 13   | 2.8  | 1               |
| 4-Methyl-2-pentanone                                | ND     |           | ug/kg | 13   | 1.7  | 1               |
| 1,2,3-Trichloropropane                              | ND     |           | ug/kg | 2.6  | 0.17 | 1               |
| 2-Hexanone  | ND     |           | ug/kg | 13   | 1.6  | 1               |
| Bromochloromethane                                  | ND     |           | ug/kg | 2.6  | 0.27 | 1               |
| 2,2-Dichloropropane                                 | ND     |           | ug/kg | 2.6  | 0.27 | 1               |
| 1,2-Dibromoethane                                   | ND     |           | ug/kg | 1.3  | 0.37 | 1               |
| 1,3-Dichloropropane                                 | ND     |           | ug/kg | 2.6  | 0.22 | 1               |
| 1,1,1,2-Tetrachloroethane                           | ND     |           | ug/kg | 0.66 | 0.17 | 1               |
| Bromobenzene  | ND     |           | ug/kg | 2.6  | 0.19 | 1               |
| n-Butylbenzene                                      | ND     |           | ug/kg | 1.3  | 0.22 | 1               |
| sec-Butylbenzene                                    | ND     |           | ug/kg | 1.3  | 0.19 | 1               |
| tert-Butylbenzene                                   | ND     |           | ug/kg | 2.6  | 0.16 | 1               |
| o-Chlorotoluene                                     | ND     |           | ug/kg | 2.6  | 0.25 | 1               |
| p-Chlorotoluene                                     | ND     |           | ug/kg | 2.6  | 0.14 | 1               |
| 1,2-Dibromo-3-chloropropane                         | ND     |           | ug/kg | 4.0  | 1.3  | 1               |
| Hexachlorobutadiene                                 | ND     |           | ug/kg | 5.3  | 0.22 | 1               |
| Isopropylbenzene                                    | ND     |           | ug/kg | 1.3  | 0.14 | 1               |
| p-Isopropyltoluene                                  | ND     |           | ug/kg | 1.3  | 0.14 | 1               |
| Naphthalene   | 93     |           | ug/kg | 5.3  | 0.86 | 1               |
| Acrylonitrile                                       | ND     |           | ug/kg | 5.3  | 1.5  | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-06  
**Client ID:** SB015(6-8)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 12:50  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/kg | 1.3 | 0.22 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/kg | 2.6 | 0.42 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/kg | 2.6 | 0.36 | 1               |
| 1,3,5-Trimethylbenzene                              | ND     |           | ug/kg | 2.6 | 0.25 | 1               |
| 1,2,4-Trimethylbenzene                              | ND     |           | ug/kg | 2.6 | 0.44 | 1               |
| 1,4-Dioxane   | ND     |           | ug/kg | 100 | 46.  | 1               |
| p-Diethylbenzene                                    | ND     |           | ug/kg | 2.6 | 0.23 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/kg | 2.6 | 0.51 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | ND     |           | ug/kg | 2.6 | 0.25 | 1               |
| Ethyl ether   | ND     |           | ug/kg | 2.6 | 0.45 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/kg | 6.6 | 1.9  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 108        |           | 70-130              |
| Toluene-d8            | 103        |           | 70-130              |
| 4-Bromofluorobenzene  | 100        |           | 70-130              |
| Dibromofluoromethane  | 98         |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-07  
**Client ID:** SB015(12-14)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 13:00  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 06/16/22 04:27  
**Analyst:** NLK  
**Percent Solids:** 83%

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by EPA 5035 Low - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride   | ND     |           | ug/kg | 5.5  | 2.5  | 1               |
| 1,1-Dichloroethane   | ND     |           | ug/kg | 1.1  | 0.16 | 1               |
| Chloroform   | ND     |           | ug/kg | 1.7  | 0.16 | 1               |
| Carbon tetrachloride                                       | ND     |           | ug/kg | 1.1  | 0.25 | 1               |
| 1,2-Dichloropropane  | ND     |           | ug/kg | 1.1  | 0.14 | 1               |
| Dibromochloromethane                                       | ND     |           | ug/kg | 1.1  | 0.16 | 1               |
| 1,1,2-Trichloroethane                                      | ND     |           | ug/kg | 1.1  | 0.30 | 1               |
| Tetrachloroethene  | ND     |           | ug/kg | 0.55 | 0.22 | 1               |
| Chlorobenzene  | ND     |           | ug/kg | 0.55 | 0.14 | 1               |
| Trichlorofluoromethane                                     | ND     |           | ug/kg | 4.4  | 0.77 | 1               |
| 1,2-Dichloroethane   | ND     |           | ug/kg | 1.1  | 0.28 | 1               |
| 1,1,1-Trichloroethane                                      | ND     |           | ug/kg | 0.55 | 0.18 | 1               |
| Bromodichloromethane                                       | ND     |           | ug/kg | 0.55 | 0.12 | 1               |
| trans-1,3-Dichloropropene                                  | ND     |           | ug/kg | 1.1  | 0.30 | 1               |
| cis-1,3-Dichloropropene                                    | ND     |           | ug/kg | 0.55 | 0.18 | 1               |
| 1,3-Dichloropropene, Total                                 | ND     |           | ug/kg | 0.55 | 0.18 | 1               |
| 1,1-Dichloropropene  | ND     |           | ug/kg | 0.55 | 0.18 | 1               |
| Bromoform  | ND     |           | ug/kg | 4.4  | 0.27 | 1               |
| 1,1,2,2-Tetrachloroethane                                  | ND     |           | ug/kg | 0.55 | 0.18 | 1               |
| Benzene  | ND     |           | ug/kg | 0.55 | 0.18 | 1               |
| Toluene  | ND     |           | ug/kg | 1.1  | 0.60 | 1               |
| Ethylbenzene   | ND     |           | ug/kg | 1.1  | 0.16 | 1               |
| Chloromethane  | ND     |           | ug/kg | 4.4  | 1.0  | 1               |
| Bromomethane   | ND     |           | ug/kg | 2.2  | 0.64 | 1               |
| Vinyl chloride   | ND     |           | ug/kg | 1.1  | 0.37 | 1               |
| Chloroethane   | ND     |           | ug/kg | 2.2  | 0.50 | 1               |
| 1,1-Dichloroethene   | ND     |           | ug/kg | 1.1  | 0.26 | 1               |
| trans-1,2-Dichloroethene                                   | ND     |           | ug/kg | 1.7  | 0.15 | 1               |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2231237**Project Number:** 3883.0001Y000**Report Date:** 06/25/22**SAMPLE RESULTS**

Lab ID: L2231237-07  
 Client ID: SB015(12-14)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 13:00  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |      |                 |
| Trichloroethene                                     | ND     |           | ug/kg | 0.55 | 0.15 | 1               |
| 1,2-Dichlorobenzene                                 | ND     |           | ug/kg | 2.2  | 0.16 | 1               |
| 1,3-Dichlorobenzene                                 | ND     |           | ug/kg | 2.2  | 0.16 | 1               |
| 1,4-Dichlorobenzene                                 | ND     |           | ug/kg | 2.2  | 0.19 | 1               |
| Methyl tert butyl ether                             | ND     |           | ug/kg | 2.2  | 0.22 | 1               |
| p/m-Xylene  | ND     |           | ug/kg | 2.2  | 0.62 | 1               |
| o-Xylene  | ND     |           | ug/kg | 1.1  | 0.32 | 1               |
| Xylenes, Total                                      | ND     |           | ug/kg | 1.1  | 0.32 | 1               |
| cis-1,2-Dichloroethene                              | ND     |           | ug/kg | 1.1  | 0.19 | 1               |
| 1,2-Dichloroethene, Total                           | ND     |           | ug/kg | 1.1  | 0.15 | 1               |
| Dibromomethane                                      | ND     |           | ug/kg | 2.2  | 0.26 | 1               |
| Styrene   | ND     |           | ug/kg | 1.1  | 0.22 | 1               |
| Dichlorodifluoromethane                             | ND     |           | ug/kg | 11   | 1.0  | 1               |
| Acetone   | ND     |           | ug/kg | 11   | 5.3  | 1               |
| Carbon disulfide                                    | ND     |           | ug/kg | 11   | 5.0  | 1               |
| 2-Butanone  | ND     |           | ug/kg | 11   | 2.4  | 1               |
| Vinyl acetate                                       | ND     |           | ug/kg | 11   | 2.4  | 1               |
| 4-Methyl-2-pentanone                                | ND     |           | ug/kg | 11   | 1.4  | 1               |
| 1,2,3-Trichloropropane                              | ND     |           | ug/kg | 2.2  | 0.14 | 1               |
| 2-Hexanone  | ND     |           | ug/kg | 11   | 1.3  | 1               |
| Bromochloromethane                                  | ND     |           | ug/kg | 2.2  | 0.23 | 1               |
| 2,2-Dichloropropane                                 | ND     |           | ug/kg | 2.2  | 0.22 | 1               |
| 1,2-Dibromoethane                                   | ND     |           | ug/kg | 1.1  | 0.31 | 1               |
| 1,3-Dichloropropane                                 | ND     |           | ug/kg | 2.2  | 0.18 | 1               |
| 1,1,1,2-Tetrachloroethane                           | ND     |           | ug/kg | 0.55 | 0.15 | 1               |
| Bromobenzene  | ND     |           | ug/kg | 2.2  | 0.16 | 1               |
| n-Butylbenzene                                      | ND     |           | ug/kg | 1.1  | 0.18 | 1               |
| sec-Butylbenzene                                    | ND     |           | ug/kg | 1.1  | 0.16 | 1               |
| tert-Butylbenzene                                   | ND     |           | ug/kg | 2.2  | 0.13 | 1               |
| o-Chlorotoluene                                     | ND     |           | ug/kg | 2.2  | 0.21 | 1               |
| p-Chlorotoluene                                     | ND     |           | ug/kg | 2.2  | 0.12 | 1               |
| 1,2-Dibromo-3-chloropropane                         | ND     |           | ug/kg | 3.3  | 1.1  | 1               |
| Hexachlorobutadiene                                 | ND     |           | ug/kg | 4.4  | 0.19 | 1               |
| Isopropylbenzene                                    | ND     |           | ug/kg | 1.1  | 0.12 | 1               |
| p-Isopropyltoluene                                  | ND     |           | ug/kg | 1.1  | 0.12 | 1               |
| Naphthalene   | 1.1    | J         | ug/kg | 4.4  | 0.72 | 1               |
| Acrylonitrile                                       | ND     |           | ug/kg | 4.4  | 1.3  | 1               |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-07  
**Client ID:** SB015(12-14)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 13:00  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/kg | 1.1 | 0.19 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/kg | 2.2 | 0.36 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/kg | 2.2 | 0.30 | 1               |
| 1,3,5-Trimethylbenzene                              | ND     |           | ug/kg | 2.2 | 0.21 | 1               |
| 1,2,4-Trimethylbenzene                              | ND     |           | ug/kg | 2.2 | 0.37 | 1               |
| 1,4-Dioxane   | ND     |           | ug/kg | 89  | 39.  | 1               |
| p-Diethylbenzene                                    | ND     |           | ug/kg | 2.2 | 0.20 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/kg | 2.2 | 0.42 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | ND     |           | ug/kg | 2.2 | 0.21 | 1               |
| Ethyl ether   | ND     |           | ug/kg | 2.2 | 0.38 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/kg | 5.5 | 1.6  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 113        |           | 70-130              |
| Toluene-d8            | 101        |           | 70-130              |
| 4-Bromofluorobenzene  | 99         |           | 70-130              |
| Dibromofluoromethane  | 106        |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-08  
**Client ID:** TB\_061322  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 00:00  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8260C  
**Analytical Date:** 06/14/22 13:16  
**Analyst:** MV

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by GC/MS - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride                                  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,1-Dichloroethane                                  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Chloroform  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Carbon tetrachloride                                | ND     |           | ug/l  | 0.50 | 0.13 | 1               |
| 1,2-Dichloropropane                                 | ND     |           | ug/l  | 1.0  | 0.14 | 1               |
| Dibromochloromethane                                | ND     |           | ug/l  | 0.50 | 0.15 | 1               |
| 1,1,2-Trichloroethane                               | ND     |           | ug/l  | 1.5  | 0.50 | 1               |
| Tetrachloroethene                                   | ND     |           | ug/l  | 0.50 | 0.18 | 1               |
| Chlorobenzene                                       | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Trichlorofluoromethane                              | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dichloroethane                                  | ND     |           | ug/l  | 0.50 | 0.13 | 1               |
| 1,1,1-Trichloroethane                               | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromodichloromethane                                | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| trans-1,3-Dichloropropene                           | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| cis-1,3-Dichloropropene                             | ND     |           | ug/l  | 0.50 | 0.14 | 1               |
| 1,3-Dichloropropene, Total                          | ND     |           | ug/l  | 0.50 | 0.14 | 1               |
| 1,1-Dichloropropene                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromoform   | ND     |           | ug/l  | 2.0  | 0.65 | 1               |
| 1,1,1,2,2-Tetrachloroethane                         | ND     |           | ug/l  | 0.50 | 0.17 | 1               |
| Benzene   | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| Toluene   | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Ethylbenzene  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Chloromethane                                       | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromomethane  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Vinyl chloride                                      | ND     |           | ug/l  | 1.0  | 0.07 | 1               |
| Chloroethane  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,1-Dichloroethene                                  | ND     |           | ug/l  | 0.50 | 0.17 | 1               |
| trans-1,2-Dichloroethene                            | ND     |           | ug/l  | 2.5  | 0.70 | 1               |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

## SAMPLE RESULTS

Lab ID: L2231237-08

Date Collected: 06/13/22 00:00

Client ID: TB\_061322

Date Received: 06/13/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Trichloroethene                              | ND     |           | ug/l  | 0.50 | 0.18 | 1               |
| 1,2-Dichlorobenzene                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Methyl tert butyl ether                      | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| p/m-Xylene                                   | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| o-Xylene                                     | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Xylenes, Total                               | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dichloroethene, Total                    | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Dibromomethane                               | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 1,2,3-Trichloropropane                       | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Acrylonitrile                                | ND     |           | ug/l  | 5.0  | 1.5  | 1               |
| Styrene                                      | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| Acetone                                      | ND     |           | ug/l  | 5.0  | 1.5  | 1               |
| Carbon disulfide                             | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 2-Butanone                                   | ND     |           | ug/l  | 5.0  | 1.9  | 1               |
| Vinyl acetate                                | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| 2-Hexanone                                   | ND     |           | ug/l  | 5.0  | 1.0  | 1               |
| Bromochloromethane                           | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 2,2-Dichloropropane                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/l  | 2.0  | 0.65 | 1               |
| 1,3-Dichloropropane                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,1,1,2-Tetrachloroethane                    | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Bromobenzene                                 | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| n-Butylbenzene                               | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| sec-Butylbenzene                             | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| tert-Butylbenzene                            | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| o-Chlorotoluene                              | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| p-Chlorotoluene                              | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Hexachlorobutadiene                          | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Isopropylbenzene                             | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| p-Isopropyltoluene                           | ND     |           | ug/l  | 2.5  | 0.70 | 1               |
| Naphthalene                                  | ND     |           | ug/l  | 2.5  | 0.70 | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

Lab ID: L2231237-08  
 Client ID: TB\_061322  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 00:00  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| <b>Volatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |      |                 |
| n-Propylbenzene                                     | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,2,3-Trichlorobenzene                              | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,2,4-Trichlorobenzene                              | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,3,5-Trimethylbenzene                              | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,2,4-Trimethylbenzene                              | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| 1,4-Dioxane   | ND     |           | ug/l  | 250 | 61.  | 1               |
| p-Diethylbenzene                                    | ND     |           | ug/l  | 2.0 | 0.70 | 1               |
| p-Ethyltoluene                                      | ND     |           | ug/l  | 2.0 | 0.70 | 1               |
| 1,2,4,5-Tetramethylbenzene                          | ND     |           | ug/l  | 2.0 | 0.54 | 1               |
| Ethyl ether   | ND     |           | ug/l  | 2.5 | 0.70 | 1               |
| trans-1,4-Dichloro-2-butene                         | ND     |           | ug/l  | 2.5 | 0.70 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 113        |           | 70-130              |
| Toluene-d8            | 101        |           | 70-130              |
| 4-Bromofluorobenzene  | 93         |           | 70-130              |
| Dibromofluoromethane  | 109        |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 06/14/22 08:28  
Analyst: PD

| Parameter  | Result | Qualifier | Units | RL   | MDL  |
|--|--------|-----------|-------|------|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,08 Batch: WG1651266-5 |        |           |       |      |      |
| Methylene chloride   | ND     |           | ug/l  | 2.5  | 0.70 |
| 1,1-Dichloroethane   | ND     |           | ug/l  | 2.5  | 0.70 |
| Chloroform   | ND     |           | ug/l  | 2.5  | 0.70 |
| Carbon tetrachloride   | ND     |           | ug/l  | 0.50 | 0.13 |
| 1,2-Dichloropropane  | ND     |           | ug/l  | 1.0  | 0.14 |
| Dibromochloromethane   | ND     |           | ug/l  | 0.50 | 0.15 |
| 1,1,2-Trichloroethane  | ND     |           | ug/l  | 1.5  | 0.50 |
| Tetrachloroethene  | ND     |           | ug/l  | 0.50 | 0.18 |
| Chlorobenzene  | ND     |           | ug/l  | 2.5  | 0.70 |
| Trichlorofluoromethane   | ND     |           | ug/l  | 2.5  | 0.70 |
| 1,2-Dichloroethane   | ND     |           | ug/l  | 0.50 | 0.13 |
| 1,1,1-Trichloroethane  | ND     |           | ug/l  | 2.5  | 0.70 |
| Bromodichloromethane   | ND     |           | ug/l  | 0.50 | 0.19 |
| trans-1,3-Dichloropropene  | ND     |           | ug/l  | 0.50 | 0.16 |
| cis-1,3-Dichloropropene  | ND     |           | ug/l  | 0.50 | 0.14 |
| 1,3-Dichloropropene, Total   | ND     |           | ug/l  | 0.50 | 0.14 |
| 1,1-Dichloropropene  | ND     |           | ug/l  | 2.5  | 0.70 |
| Bromoform  | ND     |           | ug/l  | 2.0  | 0.65 |
| 1,1,2,2-Tetrachloroethane  | ND     |           | ug/l  | 0.50 | 0.17 |
| Benzene  | ND     |           | ug/l  | 0.50 | 0.16 |
| Toluene  | ND     |           | ug/l  | 2.5  | 0.70 |
| Ethylbenzene   | ND     |           | ug/l  | 2.5  | 0.70 |
| Chloromethane  | ND     |           | ug/l  | 2.5  | 0.70 |
| Bromomethane   | ND     |           | ug/l  | 2.5  | 0.70 |
| Vinyl chloride   | ND     |           | ug/l  | 1.0  | 0.07 |
| Chloroethane   | ND     |           | ug/l  | 2.5  | 0.70 |
| 1,1-Dichloroethene   | ND     |           | ug/l  | 0.50 | 0.17 |
| trans-1,2-Dichloroethene   | ND     |           | ug/l  | 2.5  | 0.70 |
| Trichloroethene  | ND     |           | ug/l  | 0.50 | 0.18 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
Analytical Date: 06/14/22 08:28  
Analyst: PD

| Parameter  | Result | Qualifier | Units | RL  | MDL  |
|--|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,08 Batch: WG1651266-5 |        |           |       |     |      |
| 1,2-Dichlorobenzene  | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,3-Dichlorobenzene  | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,4-Dichlorobenzene  | ND     |           | ug/l  | 2.5 | 0.70 |
| Methyl tert butyl ether  | ND     |           | ug/l  | 2.5 | 0.70 |
| p/m-Xylene   | ND     |           | ug/l  | 2.5 | 0.70 |
| o-Xylene   | ND     |           | ug/l  | 2.5 | 0.70 |
| Xylenes, Total   | ND     |           | ug/l  | 2.5 | 0.70 |
| cis-1,2-Dichloroethene   | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,2-Dichloroethene, Total  | ND     |           | ug/l  | 2.5 | 0.70 |
| Dibromomethane   | ND     |           | ug/l  | 5.0 | 1.0  |
| 1,2,3-Trichloropropane   | ND     |           | ug/l  | 2.5 | 0.70 |
| Acrylonitrile  | ND     |           | ug/l  | 5.0 | 1.5  |
| Styrene  | ND     |           | ug/l  | 2.5 | 0.70 |
| Dichlorodifluoromethane  | ND     |           | ug/l  | 5.0 | 1.0  |
| Acetone  | ND     |           | ug/l  | 5.0 | 1.5  |
| Carbon disulfide   | ND     |           | ug/l  | 5.0 | 1.0  |
| 2-Butanone   | ND     |           | ug/l  | 5.0 | 1.9  |
| Vinyl acetate  | ND     |           | ug/l  | 5.0 | 1.0  |
| 4-Methyl-2-pentanone   | ND     |           | ug/l  | 5.0 | 1.0  |
| 2-Hexanone   | ND     |           | ug/l  | 5.0 | 1.0  |
| Bromochloromethane   | ND     |           | ug/l  | 2.5 | 0.70 |
| 2,2-Dichloropropane  | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,2-Dibromoethane  | ND     |           | ug/l  | 2.0 | 0.65 |
| 1,3-Dichloropropane  | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,1,1,2-Tetrachloroethane  | ND     |           | ug/l  | 2.5 | 0.70 |
| Bromobenzene   | ND     |           | ug/l  | 2.5 | 0.70 |
| n-Butylbenzene   | ND     |           | ug/l  | 2.5 | 0.70 |
| sec-Butylbenzene   | ND     |           | ug/l  | 2.5 | 0.70 |
| tert-Butylbenzene  | ND     |           | ug/l  | 2.5 | 0.70 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 06/14/22 08:28  
Analyst: PD

| Parameter  | Result | Qualifier | Units | RL  | MDL  |
|--|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,08 Batch: WG1651266-5 |        |           |       |     |      |
| o-Chlorotoluene  | ND     |           | ug/l  | 2.5 | 0.70 |
| p-Chlorotoluene  | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,2-Dibromo-3-chloropropane  | ND     |           | ug/l  | 2.5 | 0.70 |
| Hexachlorobutadiene  | ND     |           | ug/l  | 2.5 | 0.70 |
| Isopropylbenzene   | ND     |           | ug/l  | 2.5 | 0.70 |
| p-Isopropyltoluene   | ND     |           | ug/l  | 2.5 | 0.70 |
| Naphthalene  | ND     |           | ug/l  | 2.5 | 0.70 |
| n-Propylbenzene  | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,2,3-Trichlorobenzene   | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,2,4-Trichlorobenzene   | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,3,5-Trimethylbenzene   | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,2,4-Trimethylbenzene   | ND     |           | ug/l  | 2.5 | 0.70 |
| 1,4-Dioxane  | ND     |           | ug/l  | 250 | 61.  |
| p-Diethylbenzene   | ND     |           | ug/l  | 2.0 | 0.70 |
| p-Ethyltoluene   | ND     |           | ug/l  | 2.0 | 0.70 |
| 1,2,4,5-Tetramethylbenzene   | ND     |           | ug/l  | 2.0 | 0.54 |
| Ethyl ether  | ND     |           | ug/l  | 2.5 | 0.70 |
| trans-1,4-Dichloro-2-butene  | ND     |           | ug/l  | 2.5 | 0.70 |

| Surrogate             | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 104       |           | 70-130              |
| Toluene-d8            | 102       |           | 70-130              |
| 4-Bromofluorobenzene  | 98        |           | 70-130              |
| Dibromofluoromethane  | 105       |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 06/15/22 23:55  
Analyst: NLK

| Parameter   | Result | Qualifier | Units | RL   | MDL  |
|---|--------|-----------|-------|------|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03,05-07 Batch: WG1651963-5 |        |           |       |      |      |
| Methylene chloride  | ND     |           | ug/kg | 5.0  | 2.3  |
| 1,1-Dichloroethane  | ND     |           | ug/kg | 1.0  | 0.14 |
| Chloroform  | ND     |           | ug/kg | 1.5  | 0.14 |
| Carbon tetrachloride  | ND     |           | ug/kg | 1.0  | 0.23 |
| 1,2-Dichloropropane   | ND     |           | ug/kg | 1.0  | 0.12 |
| Dibromochloromethane  | ND     |           | ug/kg | 1.0  | 0.14 |
| 1,1,2-Trichloroethane   | ND     |           | ug/kg | 1.0  | 0.27 |
| Tetrachloroethene   | ND     |           | ug/kg | 0.50 | 0.20 |
| Chlorobenzene   | ND     |           | ug/kg | 0.50 | 0.13 |
| Trichlorofluoromethane  | ND     |           | ug/kg | 4.0  | 0.70 |
| 1,2-Dichloroethane  | ND     |           | ug/kg | 1.0  | 0.26 |
| 1,1,1-Trichloroethane   | ND     |           | ug/kg | 0.50 | 0.17 |
| Bromodichloromethane  | ND     |           | ug/kg | 0.50 | 0.11 |
| trans-1,3-Dichloropropene   | ND     |           | ug/kg | 1.0  | 0.27 |
| cis-1,3-Dichloropropene   | ND     |           | ug/kg | 0.50 | 0.16 |
| 1,3-Dichloropropene, Total  | ND     |           | ug/kg | 0.50 | 0.16 |
| 1,1-Dichloropropene   | ND     |           | ug/kg | 0.50 | 0.16 |
| Bromoform   | ND     |           | ug/kg | 4.0  | 0.25 |
| 1,1,2,2-Tetrachloroethane   | ND     |           | ug/kg | 0.50 | 0.17 |
| Benzene   | ND     |           | ug/kg | 0.50 | 0.17 |
| Toluene   | ND     |           | ug/kg | 1.0  | 0.54 |
| Ethylbenzene  | ND     |           | ug/kg | 1.0  | 0.14 |
| Chloromethane   | ND     |           | ug/kg | 4.0  | 0.93 |
| Bromomethane  | ND     |           | ug/kg | 2.0  | 0.58 |
| Vinyl chloride  | ND     |           | ug/kg | 1.0  | 0.34 |
| Chloroethane  | ND     |           | ug/kg | 2.0  | 0.45 |
| 1,1-Dichloroethene  | ND     |           | ug/kg | 1.0  | 0.24 |
| trans-1,2-Dichloroethene  | ND     |           | ug/kg | 1.5  | 0.14 |
| Trichloroethene   | ND     |           | ug/kg | 0.50 | 0.14 |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 06/15/22 23:55  
Analyst: NLK

| Parameter   | Result | Qualifier | Units | RL   | MDL  |
|---|--------|-----------|-------|------|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03,05-07 Batch: WG1651963-5 |        |           |       |      |      |
| 1,2-Dichlorobenzene   | ND     |           | ug/kg | 2.0  | 0.14 |
| 1,3-Dichlorobenzene   | ND     |           | ug/kg | 2.0  | 0.15 |
| 1,4-Dichlorobenzene   | ND     |           | ug/kg | 2.0  | 0.17 |
| Methyl tert butyl ether   | ND     |           | ug/kg | 2.0  | 0.20 |
| p/m-Xylene  | ND     |           | ug/kg | 2.0  | 0.56 |
| o-Xylene  | ND     |           | ug/kg | 1.0  | 0.29 |
| Xylenes, Total  | ND     |           | ug/kg | 1.0  | 0.29 |
| cis-1,2-Dichloroethene  | ND     |           | ug/kg | 1.0  | 0.18 |
| 1,2-Dichloroethene, Total   | ND     |           | ug/kg | 1.0  | 0.14 |
| Dibromomethane  | ND     |           | ug/kg | 2.0  | 0.24 |
| Styrene   | ND     |           | ug/kg | 1.0  | 0.20 |
| Dichlorodifluoromethane   | ND     |           | ug/kg | 10   | 0.92 |
| Acetone   | ND     |           | ug/kg | 10   | 4.8  |
| Carbon disulfide  | ND     |           | ug/kg | 10   | 4.6  |
| 2-Butanone  | ND     |           | ug/kg | 10   | 2.2  |
| Vinyl acetate   | ND     |           | ug/kg | 10   | 2.2  |
| 4-Methyl-2-pentanone  | ND     |           | ug/kg | 10   | 1.3  |
| 1,2,3-Trichloropropane  | ND     |           | ug/kg | 2.0  | 0.13 |
| 2-Hexanone  | ND     |           | ug/kg | 10   | 1.2  |
| Bromochloromethane  | ND     |           | ug/kg | 2.0  | 0.20 |
| 2,2-Dichloropropane   | ND     |           | ug/kg | 2.0  | 0.20 |
| 1,2-Dibromoethane   | ND     |           | ug/kg | 1.0  | 0.28 |
| 1,3-Dichloropropane   | ND     |           | ug/kg | 2.0  | 0.17 |
| 1,1,1,2-Tetrachloroethane   | ND     |           | ug/kg | 0.50 | 0.13 |
| Bromobenzene  | ND     |           | ug/kg | 2.0  | 0.14 |
| n-Butylbenzene  | ND     |           | ug/kg | 1.0  | 0.17 |
| sec-Butylbenzene  | ND     |           | ug/kg | 1.0  | 0.15 |
| tert-Butylbenzene   | ND     |           | ug/kg | 2.0  | 0.12 |
| o-Chlorotoluene   | ND     |           | ug/kg | 2.0  | 0.19 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**Method Blank Analysis  
 Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 06/15/22 23:55  
 Analyst: NLK

| Parameter   | Result | Qualifier | Units | RL  | MDL  |
|---|--------|-----------|-------|-----|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03,05-07 Batch: WG1651963-5 |        |           |       |     |      |
| p-Chlorotoluene   | ND     |           | ug/kg | 2.0 | 0.11 |
| 1,2-Dibromo-3-chloropropane   | ND     |           | ug/kg | 3.0 | 1.0  |
| Hexachlorobutadiene   | ND     |           | ug/kg | 4.0 | 0.17 |
| Isopropylbenzene  | ND     |           | ug/kg | 1.0 | 0.11 |
| p-Isopropyltoluene  | ND     |           | ug/kg | 1.0 | 0.11 |
| Naphthalene   | ND     |           | ug/kg | 4.0 | 0.65 |
| Acrylonitrile   | ND     |           | ug/kg | 4.0 | 1.2  |
| n-Propylbenzene   | ND     |           | ug/kg | 1.0 | 0.17 |
| 1,2,3-Trichlorobenzene  | ND     |           | ug/kg | 2.0 | 0.32 |
| 1,2,4-Trichlorobenzene  | ND     |           | ug/kg | 2.0 | 0.27 |
| 1,3,5-Trimethylbenzene  | ND     |           | ug/kg | 2.0 | 0.19 |
| 1,2,4-Trimethylbenzene  | ND     |           | ug/kg | 2.0 | 0.33 |
| 1,4-Dioxane   | ND     |           | ug/kg | 80  | 35.  |
| p-Diethylbenzene  | ND     |           | ug/kg | 2.0 | 0.18 |
| p-Ethyltoluene  | ND     |           | ug/kg | 2.0 | 0.38 |
| 1,2,4,5-Tetramethylbenzene  | ND     |           | ug/kg | 2.0 | 0.19 |
| Ethyl ether   | ND     |           | ug/kg | 2.0 | 0.34 |
| trans-1,4-Dichloro-2-butene   | ND     |           | ug/kg | 5.0 | 1.4  |

| Surrogate             | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 108       |           | 70-130              |
| Toluene-d8            | 102       |           | 70-130              |
| 4-Bromofluorobenzene  | 100       |           | 70-130              |
| Dibromofluoromethane  | 95        |           | 70-130              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 06/17/22 09:18  
Analyst: NLK

| Parameter  | Result | Qualifier | Units | RL   | MDL  |
|--|--------|-----------|-------|------|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04 Batch: WG1652071-5 |        |           |       |      |      |
| Methylene chloride   | ND     |           | ug/kg | 5.0  | 2.3  |
| 1,1-Dichloroethane   | ND     |           | ug/kg | 1.0  | 0.14 |
| Chloroform   | ND     |           | ug/kg | 1.5  | 0.14 |
| Carbon tetrachloride   | ND     |           | ug/kg | 1.0  | 0.23 |
| 1,2-Dichloropropane  | ND     |           | ug/kg | 1.0  | 0.12 |
| Dibromochloromethane   | ND     |           | ug/kg | 1.0  | 0.14 |
| 1,1,2-Trichloroethane  | ND     |           | ug/kg | 1.0  | 0.27 |
| Tetrachloroethene  | ND     |           | ug/kg | 0.50 | 0.20 |
| Chlorobenzene  | ND     |           | ug/kg | 0.50 | 0.13 |
| Trichlorofluoromethane   | ND     |           | ug/kg | 4.0  | 0.70 |
| 1,2-Dichloroethane   | ND     |           | ug/kg | 1.0  | 0.26 |
| 1,1,1-Trichloroethane  | ND     |           | ug/kg | 0.50 | 0.17 |
| Bromodichloromethane   | ND     |           | ug/kg | 0.50 | 0.11 |
| trans-1,3-Dichloropropene  | ND     |           | ug/kg | 1.0  | 0.27 |
| cis-1,3-Dichloropropene  | ND     |           | ug/kg | 0.50 | 0.16 |
| 1,3-Dichloropropene, Total   | ND     |           | ug/kg | 0.50 | 0.16 |
| 1,1-Dichloropropene  | ND     |           | ug/kg | 0.50 | 0.16 |
| Bromoform  | ND     |           | ug/kg | 4.0  | 0.25 |
| 1,1,2,2-Tetrachloroethane  | ND     |           | ug/kg | 0.50 | 0.17 |
| Benzene  | ND     |           | ug/kg | 0.50 | 0.17 |
| Toluene  | ND     |           | ug/kg | 1.0  | 0.54 |
| Ethylbenzene   | ND     |           | ug/kg | 1.0  | 0.14 |
| Chloromethane  | ND     |           | ug/kg | 4.0  | 0.93 |
| Bromomethane   | 1.4    | J         | ug/kg | 2.0  | 0.58 |
| Vinyl chloride   | ND     |           | ug/kg | 1.0  | 0.34 |
| Chloroethane   | ND     |           | ug/kg | 2.0  | 0.45 |
| 1,1-Dichloroethene   | ND     |           | ug/kg | 1.0  | 0.24 |
| trans-1,2-Dichloroethene   | ND     |           | ug/kg | 1.5  | 0.14 |
| Trichloroethene  | ND     |           | ug/kg | 0.50 | 0.14 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 06/17/22 09:18  
Analyst: NLK

| Parameter  | Result | Qualifier | Units | RL   | MDL  |
|--|--------|-----------|-------|------|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04 Batch: WG1652071-5 |        |           |       |      |      |
| 1,2-Dichlorobenzene  | ND     |           | ug/kg | 2.0  | 0.14 |
| 1,3-Dichlorobenzene  | ND     |           | ug/kg | 2.0  | 0.15 |
| 1,4-Dichlorobenzene  | ND     |           | ug/kg | 2.0  | 0.17 |
| Methyl tert butyl ether  | ND     |           | ug/kg | 2.0  | 0.20 |
| p/m-Xylene   | ND     |           | ug/kg | 2.0  | 0.56 |
| o-Xylene   | ND     |           | ug/kg | 1.0  | 0.29 |
| Xylenes, Total   | ND     |           | ug/kg | 1.0  | 0.29 |
| cis-1,2-Dichloroethene   | ND     |           | ug/kg | 1.0  | 0.18 |
| 1,2-Dichloroethene, Total  | ND     |           | ug/kg | 1.0  | 0.14 |
| Dibromomethane   | ND     |           | ug/kg | 2.0  | 0.24 |
| Styrene  | ND     |           | ug/kg | 1.0  | 0.20 |
| Dichlorodifluoromethane  | ND     |           | ug/kg | 10   | 0.92 |
| Acetone  | ND     |           | ug/kg | 10   | 4.8  |
| Carbon disulfide   | ND     |           | ug/kg | 10   | 4.6  |
| 2-Butanone   | ND     |           | ug/kg | 10   | 2.2  |
| Vinyl acetate  | ND     |           | ug/kg | 10   | 2.2  |
| 4-Methyl-2-pentanone   | ND     |           | ug/kg | 10   | 1.3  |
| 1,2,3-Trichloropropane   | ND     |           | ug/kg | 2.0  | 0.13 |
| 2-Hexanone   | ND     |           | ug/kg | 10   | 1.2  |
| Bromochloromethane   | ND     |           | ug/kg | 2.0  | 0.20 |
| 2,2-Dichloropropane  | ND     |           | ug/kg | 2.0  | 0.20 |
| 1,2-Dibromoethane  | ND     |           | ug/kg | 1.0  | 0.28 |
| 1,3-Dichloropropane  | ND     |           | ug/kg | 2.0  | 0.17 |
| 1,1,1,2-Tetrachloroethane  | ND     |           | ug/kg | 0.50 | 0.13 |
| Bromobenzene   | ND     |           | ug/kg | 2.0  | 0.14 |
| n-Butylbenzene   | ND     |           | ug/kg | 1.0  | 0.17 |
| sec-Butylbenzene   | ND     |           | ug/kg | 1.0  | 0.15 |
| tert-Butylbenzene  | ND     |           | ug/kg | 2.0  | 0.12 |
| o-Chlorotoluene  | ND     |           | ug/kg | 2.0  | 0.19 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 06/17/22 09:18  
Analyst: NLK

| Parameter  | Result | Qualifier | Units | RL  | MDL  |
|--|--------|-----------|-------|-----|------|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04 Batch: WG1652071-5 |        |           |       |     |      |
| p-Chlorotoluene  | ND     |           | ug/kg | 2.0 | 0.11 |
| 1,2-Dibromo-3-chloropropane  | ND     |           | ug/kg | 3.0 | 1.0  |
| Hexachlorobutadiene  | ND     |           | ug/kg | 4.0 | 0.17 |
| Isopropylbenzene   | ND     |           | ug/kg | 1.0 | 0.11 |
| p-Isopropyltoluene   | ND     |           | ug/kg | 1.0 | 0.11 |
| Naphthalene  | ND     |           | ug/kg | 4.0 | 0.65 |
| Acrylonitrile  | ND     |           | ug/kg | 4.0 | 1.2  |
| n-Propylbenzene  | ND     |           | ug/kg | 1.0 | 0.17 |
| 1,2,3-Trichlorobenzene   | ND     |           | ug/kg | 2.0 | 0.32 |
| 1,2,4-Trichlorobenzene   | ND     |           | ug/kg | 2.0 | 0.27 |
| 1,3,5-Trimethylbenzene   | ND     |           | ug/kg | 2.0 | 0.19 |
| 1,2,4-Trimethylbenzene   | ND     |           | ug/kg | 2.0 | 0.33 |
| 1,4-Dioxane  | ND     |           | ug/kg | 80  | 35.  |
| p-Diethylbenzene   | ND     |           | ug/kg | 2.0 | 0.18 |
| p-Ethyltoluene   | ND     |           | ug/kg | 2.0 | 0.38 |
| 1,2,4,5-Tetramethylbenzene   | ND     |           | ug/kg | 2.0 | 0.19 |
| Ethyl ether  | ND     |           | ug/kg | 2.0 | 0.34 |
| trans-1,4-Dichloro-2-butene  | ND     |           | ug/kg | 5.0 | 1.4  |

| Surrogate             | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 95        |           | 70-130              |
| Toluene-d8            | 99        |           | 70-130              |
| 4-Bromofluorobenzene  | 102       |           | 70-130              |
| Dibromofluoromethane  | 99        |           | 70-130              |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,08 Batch: WG1651266-3 WG1651266-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride  | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| 1,1-Dichloroethane  | 100              |      | 99                |      | 70-130              | 1   |      | 20            |
| Chloroform  | 100              |      | 99                |      | 70-130              | 1   |      | 20            |
| Carbon tetrachloride  | 110              |      | 110               |      | 63-132              | 0   |      | 20            |
| 1,2-Dichloropropane   | 100              |      | 94                |      | 70-130              | 6   |      | 20            |
| Dibromochloromethane  | 110              |      | 110               |      | 63-130              | 0   |      | 20            |
| 1,1,2-Trichloroethane   | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| Tetrachloroethene   | 110              |      | 99                |      | 70-130              | 11  |      | 20            |
| Chlorobenzene   | 100              |      | 100               |      | 75-130              | 0   |      | 20            |
| Trichlorofluoromethane  | 110              |      | 100               |      | 62-150              | 10  |      | 20            |
| 1,2-Dichloroethane  | 91               |      | 96                |      | 70-130              | 5   |      | 20            |
| 1,1,1-Trichloroethane   | 100              |      | 100               |      | 67-130              | 0   |      | 20            |
| Bromodichloromethane  | 110              |      | 100               |      | 67-130              | 10  |      | 20            |
| trans-1,3-Dichloropropene   | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| cis-1,3-Dichloropropene   | 100              |      | 99                |      | 70-130              | 1   |      | 20            |
| 1,1-Dichloropropene   | 96               |      | 96                |      | 70-130              | 0   |      | 20            |
| Bromoform   | 110              |      | 110               |      | 54-136              | 0   |      | 20            |
| 1,1,2,2-Tetrachloroethane   | 110              |      | 100               |      | 67-130              | 10  |      | 20            |
| Benzene   | 100              |      | 95                |      | 70-130              | 5   |      | 20            |
| Toluene   | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| Ethylbenzene  | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| Chloromethane   | 100              |      | 92                |      | 64-130              | 8   |      | 20            |
| Bromomethane  | 55               |      | 46                |      | 39-139              | 18  |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

| Parameter   | LCS       |      | LCSD      |      | %Recovery Limits | RPD | Qual | RPD Limits |
|---|-----------|------|-----------|------|------------------|-----|------|------------|
|   | %Recovery | Qual | %Recovery | Qual |                  |     |      |            |
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,08 Batch: WG1651266-3 WG1651266-4 |           |      |           |      |                  |     |      |            |
| Vinyl chloride  | 100       |      | 99        |      | 55-140           | 1   |      | 20         |
| Chloroethane  | 85        |      | 78        |      | 55-138           | 9   |      | 20         |
| 1,1-Dichloroethene  | 100       |      | 100       |      | 61-145           | 0   |      | 20         |
| trans-1,2-Dichloroethene  | 110       |      | 100       |      | 70-130           | 10  |      | 20         |
| Trichloroethene   | 100       |      | 95        |      | 70-130           | 5   |      | 20         |
| 1,2-Dichlorobenzene   | 100       |      | 100       |      | 70-130           | 0   |      | 20         |
| 1,3-Dichlorobenzene   | 100       |      | 100       |      | 70-130           | 0   |      | 20         |
| 1,4-Dichlorobenzene   | 100       |      | 100       |      | 70-130           | 0   |      | 20         |
| Methyl tert butyl ether   | 96        |      | 97        |      | 63-130           | 1   |      | 20         |
| p/m-Xylene  | 100       |      | 100       |      | 70-130           | 0   |      | 20         |
| o-Xylene  | 110       |      | 100       |      | 70-130           | 10  |      | 20         |
| cis-1,2-Dichloroethene  | 98        |      | 98        |      | 70-130           | 0   |      | 20         |
| Dibromomethane  | 98        |      | 100       |      | 70-130           | 2   |      | 20         |
| 1,2,3-Trichloropropane  | 100       |      | 100       |      | 64-130           | 0   |      | 20         |
| Acrylonitrile   | 100       |      | 99        |      | 70-130           | 1   |      | 20         |
| Styrene   | 105       |      | 100       |      | 70-130           | 5   |      | 20         |
| Dichlorodifluoromethane   | 130       |      | 120       |      | 36-147           | 8   |      | 20         |
| Acetone   | 110       |      | 110       |      | 58-148           | 0   |      | 20         |
| Carbon disulfide  | 120       |      | 110       |      | 51-130           | 9   |      | 20         |
| 2-Butanone  | 94        |      | 90        |      | 63-138           | 4   |      | 20         |
| Vinyl acetate   | 100       |      | 97        |      | 70-130           | 3   |      | 20         |
| 4-Methyl-2-pentanone  | 90        |      | 96        |      | 59-130           | 6   |      | 20         |
| 2-Hexanone  | 95        |      | 95        |      | 57-130           | 0   |      | 20         |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,08 Batch: WG1651266-3 WG1651266-4 |                  |      |                   |      |                     |     |      |               |
| Bromochloromethane  | 96               |      | 100               |      | 70-130              | 4   |      | 20            |
| 2,2-Dichloropropane   | 110              |      | 110               |      | 63-133              | 0   |      | 20            |
| 1,2-Dibromoethane   | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| 1,3-Dichloropropane   | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| 1,1,1,2-Tetrachloroethane   | 110              |      | 100               |      | 64-130              | 10  |      | 20            |
| Bromobenzene  | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| n-Butylbenzene  | 93               |      | 89                |      | 53-136              | 4   |      | 20            |
| sec-Butylbenzene  | 86               |      | 83                |      | 70-130              | 4   |      | 20            |
| tert-Butylbenzene   | 92               |      | 86                |      | 70-130              | 7   |      | 20            |
| o-Chlorotoluene   | 99               |      | 96                |      | 70-130              | 3   |      | 20            |
| p-Chlorotoluene   | 98               |      | 98                |      | 70-130              | 0   |      | 20            |
| 1,2-Dibromo-3-chloropropane   | 120              |      | 120               |      | 41-144              | 0   |      | 20            |
| Hexachlorobutadiene   | 91               |      | 81                |      | 63-130              | 12  |      | 20            |
| Isopropylbenzene  | 89               |      | 87                |      | 70-130              | 2   |      | 20            |
| p-Isopropyltoluene  | 86               |      | 82                |      | 70-130              | 5   |      | 20            |
| Naphthalene   | 84               |      | 86                |      | 70-130              | 2   |      | 20            |
| n-Propylbenzene   | 92               |      | 91                |      | 69-130              | 1   |      | 20            |
| 1,2,3-Trichlorobenzene  | 87               |      | 93                |      | 70-130              | 7   |      | 20            |
| 1,2,4-Trichlorobenzene  | 90               |      | 92                |      | 70-130              | 2   |      | 20            |
| 1,3,5-Trimethylbenzene  | 92               |      | 90                |      | 64-130              | 2   |      | 20            |
| 1,2,4-Trimethylbenzene  | 94               |      | 94                |      | 70-130              | 0   |      | 20            |
| 1,4-Dioxane   | 100              |      | 106               |      | 56-162              | 6   |      | 20            |
| p-Diethylbenzene  | 87               |      | 85                |      | 70-130              | 2   |      | 20            |



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,08 Batch: WG1651266-3 WG1651266-4 |                  |      |                   |      |                     |     |      |               |
| p-Ethyltoluene  | 94               |      | 90                |      | 70-130              | 4   |      | 20            |
| 1,2,4,5-Tetramethylbenzene  | 86               |      | 86                |      | 70-130              | 0   |      | 20            |
| Ethyl ether   | 98               |      | 97                |      | 59-134              | 1   |      | 20            |
| trans-1,4-Dichloro-2-butene   | 110              |      | 120               |      | 70-130              | 9   |      | 20            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 97               |      | 100               |      | 70-130                 |
| Toluene-d8            | 104              |      | 102               |      | 70-130                 |
| 4-Bromofluorobenzene  | 90               |      | 95                |      | 70-130                 |
| Dibromofluoromethane  | 92               |      | 95                |      | 70-130                 |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03,05-07 Batch: WG1651963-3 WG1651963-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride   | 99               |      | 99                |      | 70-130              | 0   |      | 30            |
| 1,1-Dichloroethane   | 109              |      | 109               |      | 70-130              | 0   |      | 30            |
| Chloroform   | 107              |      | 111               |      | 70-130              | 4   |      | 30            |
| Carbon tetrachloride   | 117              |      | 122               |      | 70-130              | 4   |      | 30            |
| 1,2-Dichloropropane  | 103              |      | 107               |      | 70-130              | 4   |      | 30            |
| Dibromochloromethane   | 104              |      | 104               |      | 70-130              | 0   |      | 30            |
| 1,1,2-Trichloroethane  | 102              |      | 102               |      | 70-130              | 0   |      | 30            |
| Tetrachloroethene  | 98               |      | 96                |      | 70-130              | 2   |      | 30            |
| Chlorobenzene  | 101              |      | 102               |      | 70-130              | 1   |      | 30            |
| Trichlorofluoromethane   | 123              |      | 121               |      | 70-139              | 2   |      | 30            |
| 1,2-Dichloroethane   | 103              |      | 120               |      | 70-130              | 15  |      | 30            |
| 1,1,1-Trichloroethane  | 114              |      | 120               |      | 70-130              | 5   |      | 30            |
| Bromodichloromethane   | 110              |      | 117               |      | 70-130              | 6   |      | 30            |
| trans-1,3-Dichloropropene  | 110              |      | 110               |      | 70-130              | 0   |      | 30            |
| cis-1,3-Dichloropropene  | 110              |      | 116               |      | 70-130              | 5   |      | 30            |
| 1,1-Dichloropropene  | 115              |      | 117               |      | 70-130              | 2   |      | 30            |
| Bromoform  | 93               |      | 93                |      | 70-130              | 0   |      | 30            |
| 1,1,2,2-Tetrachloroethane  | 93               |      | 96                |      | 70-130              | 3   |      | 30            |
| Benzene  | 94               |      | 108               |      | 70-130              | 14  |      | 30            |
| Toluene  | 98               |      | 97                |      | 70-130              | 1   |      | 30            |
| Ethylbenzene   | 109              |      | 108               |      | 70-130              | 1   |      | 30            |
| Chloromethane  | 143              | Q    | 95                |      | 52-130              | 40  | Q    | 30            |
| Bromomethane   | 84               |      | 73                |      | 57-147              | 14  |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03,05-07 Batch: WG1651963-3 WG1651963-4 |                  |      |                   |      |                     |     |      |               |
| Vinyl chloride   | 131              | Q    | 78                |      | 67-130              | 51  | Q    | 30            |
| Chloroethane   | 97               |      | 90                |      | 50-151              | 7   |      | 30            |
| 1,1-Dichloroethene   | 110              |      | 108               |      | 65-135              | 2   |      | 30            |
| trans-1,2-Dichloroethene   | 107              |      | 106               |      | 70-130              | 1   |      | 30            |
| Trichloroethene  | 103              |      | 111               |      | 70-130              | 7   |      | 30            |
| 1,2-Dichlorobenzene  | 100              |      | 101               |      | 70-130              | 1   |      | 30            |
| 1,3-Dichlorobenzene  | 103              |      | 104               |      | 70-130              | 1   |      | 30            |
| 1,4-Dichlorobenzene  | 100              |      | 101               |      | 70-130              | 1   |      | 30            |
| Methyl tert butyl ether  | 112              |      | 114               |      | 66-130              | 2   |      | 30            |
| p/m-Xylene   | 105              |      | 104               |      | 70-130              | 1   |      | 30            |
| o-Xylene   | 106              |      | 106               |      | 70-130              | 0   |      | 30            |
| cis-1,2-Dichloroethene   | 104              |      | 102               |      | 70-130              | 2   |      | 30            |
| Dibromomethane   | 106              |      | 113               |      | 70-130              | 6   |      | 30            |
| Styrene  | 105              |      | 104               |      | 70-130              | 1   |      | 30            |
| Dichlorodifluoromethane  | 105              |      | 90                |      | 30-146              | 15  |      | 30            |
| Acetone  | 147              | Q    | 149               | Q    | 54-140              | 1   |      | 30            |
| Carbon disulfide   | 106              |      | 105               |      | 59-130              | 1   |      | 30            |
| 2-Butanone   | 130              |      | 132               | Q    | 70-130              | 2   |      | 30            |
| Vinyl acetate  | 119              |      | 121               |      | 70-130              | 2   |      | 30            |
| 4-Methyl-2-pentanone   | 108              |      | 103               |      | 70-130              | 5   |      | 30            |
| 1,2,3-Trichloropropane   | 97               |      | 98                |      | 68-130              | 1   |      | 30            |
| 2-Hexanone   | 127              |      | 135               | Q    | 70-130              | 6   |      | 30            |
| Bromochloromethane   | 101              |      | 100               |      | 70-130              | 1   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03,05-07 Batch: WG1651963-3 WG1651963-4 |                  |      |                   |      |                     |     |      |               |
| 2,2-Dichloropropane  | 118              |      | 123               |      | 70-130              | 4   |      | 30            |
| 1,2-Dibromoethane  | 99               |      | 99                |      | 70-130              | 0   |      | 30            |
| 1,3-Dichloropropane  | 102              |      | 103               |      | 69-130              | 1   |      | 30            |
| 1,1,1,2-Tetrachloroethane  | 104              |      | 103               |      | 70-130              | 1   |      | 30            |
| Bromobenzene   | 96               |      | 96                |      | 70-130              | 0   |      | 30            |
| n-Butylbenzene   | 117              |      | 116               |      | 70-130              | 1   |      | 30            |
| sec-Butylbenzene   | 113              |      | 114               |      | 70-130              | 1   |      | 30            |
| tert-Butylbenzene  | 111              |      | 111               |      | 70-130              | 0   |      | 30            |
| o-Chlorotoluene  | 106              |      | 104               |      | 70-130              | 2   |      | 30            |
| p-Chlorotoluene  | 104              |      | 104               |      | 70-130              | 0   |      | 30            |
| 1,2-Dibromo-3-chloropropane  | 95               |      | 97                |      | 68-130              | 2   |      | 30            |
| Hexachlorobutadiene  | 97               |      | 96                |      | 67-130              | 1   |      | 30            |
| Isopropylbenzene   | 107              |      | 106               |      | 70-130              | 1   |      | 30            |
| p-Isopropyltoluene   | 112              |      | 112               |      | 70-130              | 0   |      | 30            |
| Naphthalene  | 102              |      | 103               |      | 70-130              | 1   |      | 30            |
| Acrylonitrile  | 114              |      | 114               |      | 70-130              | 0   |      | 30            |
| n-Propylbenzene  | 112              |      | 111               |      | 70-130              | 1   |      | 30            |
| 1,2,3-Trichlorobenzene   | 100              |      | 106               |      | 70-130              | 6   |      | 30            |
| 1,2,4-Trichlorobenzene   | 80               |      | 100               |      | 70-130              | 22  |      | 30            |
| 1,3,5-Trimethylbenzene   | 107              |      | 106               |      | 70-130              | 1   |      | 30            |
| 1,2,4-Trimethylbenzene   | 107              |      | 106               |      | 70-130              | 1   |      | 30            |
| 1,4-Dioxane  | 103              |      | 106               |      | 65-136              | 3   |      | 30            |
| p-Diethylbenzene   | 116              |      | 114               |      | 70-130              | 2   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03,05-07 Batch: WG1651963-3 WG1651963-4 |                  |      |                   |      |                     |     |      |               |
| p-Ethyltoluene   | 112              |      | 111               |      | 70-130              | 1   |      | 30            |
| 1,2,4,5-Tetramethylbenzene   | 114              |      | 112               |      | 70-130              | 2   |      | 30            |
| Ethyl ether  | 108              |      | 106               |      | 67-130              | 2   |      | 30            |
| trans-1,4-Dichloro-2-butene  | 119              |      | 124               |      | 70-130              | 4   |      | 30            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 105              |      | 113               |      | 70-130                 |
| Toluene-d8            | 101              |      | 101               |      | 70-130                 |
| 4-Bromofluorobenzene  | 96               |      | 97                |      | 70-130                 |
| Dibromofluoromethane  | 101              |      | 103               |      | 70-130                 |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04 Batch: WG1652071-3 WG1652071-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride  | 80               |      | 78                |      | 70-130              | 3   |      | 30            |
| 1,1-Dichloroethane  | 91               |      | 84                |      | 70-130              | 8   |      | 30            |
| Chloroform  | 92               |      | 90                |      | 70-130              | 2   |      | 30            |
| Carbon tetrachloride  | 97               |      | 97                |      | 70-130              | 0   |      | 30            |
| 1,2-Dichloropropane   | 88               |      | 87                |      | 70-130              | 1   |      | 30            |
| Dibromochloromethane  | 103              |      | 99                |      | 70-130              | 4   |      | 30            |
| 1,1,2-Trichloroethane   | 92               |      | 90                |      | 70-130              | 2   |      | 30            |
| Tetrachloroethene   | 91               |      | 89                |      | 70-130              | 2   |      | 30            |
| Chlorobenzene   | 93               |      | 90                |      | 70-130              | 3   |      | 30            |
| Trichlorofluoromethane  | 82               |      | 83                |      | 70-139              | 1   |      | 30            |
| 1,2-Dichloroethane  | 88               |      | 86                |      | 70-130              | 2   |      | 30            |
| 1,1,1-Trichloroethane   | 95               |      | 94                |      | 70-130              | 1   |      | 30            |
| Bromodichloromethane  | 95               |      | 91                |      | 70-130              | 4   |      | 30            |
| trans-1,3-Dichloropropene   | 93               |      | 89                |      | 70-130              | 4   |      | 30            |
| cis-1,3-Dichloropropene   | 92               |      | 91                |      | 70-130              | 1   |      | 30            |
| 1,1-Dichloropropene   | 93               |      | 94                |      | 70-130              | 1   |      | 30            |
| Bromoform   | 90               |      | 89                |      | 70-130              | 1   |      | 30            |
| 1,1,2,2-Tetrachloroethane   | 97               |      | 98                |      | 70-130              | 1   |      | 30            |
| Benzene   | 89               |      | 87                |      | 70-130              | 2   |      | 30            |
| Toluene   | 90               |      | 87                |      | 70-130              | 3   |      | 30            |
| Ethylbenzene  | 92               |      | 89                |      | 70-130              | 3   |      | 30            |
| Chloromethane   | 72               |      | 72                |      | 52-130              | 0   |      | 30            |
| Bromomethane  | 134              |      | 129               |      | 57-147              | 4   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04 Batch: WG1652071-3 WG1652071-4 |                  |      |                   |      |                     |     |      |               |
| Vinyl chloride  | 80               |      | 80                |      | 67-130              | 0   |      | 30            |
| Chloroethane  | 73               |      | 76                |      | 50-151              | 4   |      | 30            |
| 1,1-Dichloroethene  | 93               |      | 84                |      | 65-135              | 10  |      | 30            |
| trans-1,2-Dichloroethene  | 91               |      | 89                |      | 70-130              | 2   |      | 30            |
| Trichloroethene   | 86               |      | 87                |      | 70-130              | 1   |      | 30            |
| 1,2-Dichlorobenzene   | 94               |      | 90                |      | 70-130              | 4   |      | 30            |
| 1,3-Dichlorobenzene   | 94               |      | 92                |      | 70-130              | 2   |      | 30            |
| 1,4-Dichlorobenzene   | 95               |      | 91                |      | 70-130              | 4   |      | 30            |
| Methyl tert butyl ether   | 89               |      | 88                |      | 66-130              | 1   |      | 30            |
| p/m-Xylene  | 92               |      | 89                |      | 70-130              | 3   |      | 30            |
| o-Xylene  | 92               |      | 90                |      | 70-130              | 2   |      | 30            |
| cis-1,2-Dichloroethene  | 92               |      | 87                |      | 70-130              | 6   |      | 30            |
| Dibromomethane  | 92               |      | 89                |      | 70-130              | 3   |      | 30            |
| Styrene   | 92               |      | 89                |      | 70-130              | 3   |      | 30            |
| Dichlorodifluoromethane   | 97               |      | 98                |      | 30-146              | 1   |      | 30            |
| Acetone   | 88               |      | 100               |      | 54-140              | 13  |      | 30            |
| Carbon disulfide  | 94               |      | 87                |      | 59-130              | 8   |      | 30            |
| 2-Butanone  | 85               |      | 90                |      | 70-130              | 6   |      | 30            |
| Vinyl acetate   | 114              |      | 107               |      | 70-130              | 6   |      | 30            |
| 4-Methyl-2-pentanone  | 86               |      | 88                |      | 70-130              | 2   |      | 30            |
| 1,2,3-Trichloropropane  | 88               |      | 85                |      | 68-130              | 3   |      | 30            |
| 2-Hexanone  | 101              |      | 104               |      | 70-130              | 3   |      | 30            |
| Bromochloromethane  | 93               |      | 88                |      | 70-130              | 6   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04 Batch: WG1652071-3 WG1652071-4 |                  |      |                   |      |                     |     |      |               |
| 2,2-Dichloropropane   | 88               |      | 88                |      | 70-130              | 0   |      | 30            |
| 1,2-Dibromoethane   | 101              |      | 99                |      | 70-130              | 2   |      | 30            |
| 1,3-Dichloropropane   | 91               |      | 88                |      | 69-130              | 3   |      | 30            |
| 1,1,1,2-Tetrachloroethane   | 101              |      | 96                |      | 70-130              | 5   |      | 30            |
| Bromobenzene  | 92               |      | 89                |      | 70-130              | 3   |      | 30            |
| n-Butylbenzene  | 99               |      | 98                |      | 70-130              | 1   |      | 30            |
| sec-Butylbenzene  | 96               |      | 95                |      | 70-130              | 1   |      | 30            |
| tert-Butylbenzene   | 106              |      | 95                |      | 70-130              | 11  |      | 30            |
| o-Chlorotoluene   | 95               |      | 93                |      | 70-130              | 2   |      | 30            |
| p-Chlorotoluene   | 107              |      | 93                |      | 70-130              | 14  |      | 30            |
| 1,2-Dibromo-3-chloropropane   | 96               |      | 100               |      | 68-130              | 4   |      | 30            |
| Hexachlorobutadiene   | 86               |      | 88                |      | 67-130              | 2   |      | 30            |
| Isopropylbenzene  | 96               |      | 94                |      | 70-130              | 2   |      | 30            |
| p-Isopropyltoluene  | 99               |      | 97                |      | 70-130              | 2   |      | 30            |
| Naphthalene   | 93               |      | 94                |      | 70-130              | 1   |      | 30            |
| Acrylonitrile   | 101              |      | 97                |      | 70-130              | 4   |      | 30            |
| n-Propylbenzene   | 96               |      | 94                |      | 70-130              | 2   |      | 30            |
| 1,2,3-Trichlorobenzene  | 91               |      | 89                |      | 70-130              | 2   |      | 30            |
| 1,2,4-Trichlorobenzene  | 92               |      | 91                |      | 70-130              | 1   |      | 30            |
| 1,3,5-Trimethylbenzene  | 102              |      | 94                |      | 70-130              | 8   |      | 30            |
| 1,2,4-Trimethylbenzene  | 103              |      | 93                |      | 70-130              | 10  |      | 30            |
| 1,4-Dioxane   | 92               |      | 90                |      | 65-136              | 2   |      | 30            |
| p-Diethylbenzene  | 100              |      | 100               |      | 70-130              | 0   |      | 30            |



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04 Batch: WG1652071-3 WG1652071-4 |                  |      |                   |      |                     |     |      |               |
| p-Ethyltoluene  | 99               |      | 96                |      | 70-130              | 3   |      | 30            |
| 1,2,4,5-Tetramethylbenzene  | 94               |      | 91                |      | 70-130              | 3   |      | 30            |
| Ethyl ether   | 79               |      | 80                |      | 67-130              | 1   |      | 30            |
| trans-1,4-Dichloro-2-butene   | 111              |      | 104               |      | 70-130              | 7   |      | 30            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 92               |      | 96                |      | 70-130                 |
| Toluene-d8            | 101              |      | 99                |      | 70-130                 |
| 4-Bromofluorobenzene  | 100              |      | 101               |      | 70-130                 |
| Dibromofluoromethane  | 98               |      | 100               |      | 70-130                 |

# SEMIVOLATILES

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-01  
**Client ID:** FB\_061322  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 09:00  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8270D  
**Analytical Date:** 06/19/22 14:49  
**Analyst:** CMM

**Extraction Method:** EPA 3510C  
**Extraction Date:** 06/18/22 11:01

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |      |                 |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/l  | 5.0 | 0.50 | 1               |
| Bis(2-chloroethyl)ether                                 | ND     |           | ug/l  | 2.0 | 0.50 | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/l  | 2.0 | 0.45 | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/l  | 2.0 | 0.40 | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/l  | 2.0 | 0.43 | 1               |
| 3,3'-Dichlorobenzidine                                  | ND     |           | ug/l  | 5.0 | 1.6  | 1               |
| 2,4-Dinitrotoluene                                      | ND     |           | ug/l  | 5.0 | 1.2  | 1               |
| 2,6-Dinitrotoluene                                      | ND     |           | ug/l  | 5.0 | 0.93 | 1               |
| 4-Chlorophenyl phenyl ether                             | ND     |           | ug/l  | 2.0 | 0.49 | 1               |
| 4-Bromophenyl phenyl ether                              | ND     |           | ug/l  | 2.0 | 0.38 | 1               |
| Bis(2-chloroisopropyl)ether                             | ND     |           | ug/l  | 2.0 | 0.53 | 1               |
| Bis(2-chloroethoxy)methane                              | ND     |           | ug/l  | 5.0 | 0.50 | 1               |
| Hexachlorocyclopentadiene                               | ND     |           | ug/l  | 20  | 0.69 | 1               |
| Isophorone  | ND     |           | ug/l  | 5.0 | 1.2  | 1               |
| Nitrobenzene  | ND     |           | ug/l  | 2.0 | 0.77 | 1               |
| NDPA/DPA  | ND     |           | ug/l  | 2.0 | 0.42 | 1               |
| n-Nitrosodi-n-propylamine                               | ND     |           | ug/l  | 5.0 | 0.64 | 1               |
| Bis(2-ethylhexyl)phthalate                              | ND     |           | ug/l  | 3.0 | 1.5  | 1               |
| Butyl benzyl phthalate                                  | ND     |           | ug/l  | 5.0 | 1.2  | 1               |
| Di-n-butylphthalate                                     | 0.72   | J         | ug/l  | 5.0 | 0.39 | 1               |
| Di-n-octylphthalate                                     | ND     |           | ug/l  | 5.0 | 1.3  | 1               |
| Diethyl phthalate                                       | ND     |           | ug/l  | 5.0 | 0.38 | 1               |
| Dimethyl phthalate                                      | ND     |           | ug/l  | 5.0 | 1.8  | 1               |
| Biphenyl  | ND     |           | ug/l  | 2.0 | 0.46 | 1               |
| 4-Chloroaniline   | ND     |           | ug/l  | 5.0 | 1.1  | 1               |
| 2-Nitroaniline  | ND     |           | ug/l  | 5.0 | 0.50 | 1               |
| 3-Nitroaniline  | ND     |           | ug/l  | 5.0 | 0.81 | 1               |
| 4-Nitroaniline  | ND     |           | ug/l  | 5.0 | 0.80 | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-01  
**Client ID:** FB\_061322  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 09:00  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---|--------|-----------|-------|-----|------|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |      |                 |
| Dibenzofuran  | ND     |           | ug/l  | 2.0 | 0.50 | 1               |
| 1,2,4,5-Tetrachlorobenzene                              | ND     |           | ug/l  | 10  | 0.44 | 1               |
| Acetophenone  | ND     |           | ug/l  | 5.0 | 0.53 | 1               |
| 2,4,6-Trichlorophenol                                   | ND     |           | ug/l  | 5.0 | 0.61 | 1               |
| p-Chloro-m-cresol                                       | ND     |           | ug/l  | 2.0 | 0.35 | 1               |
| 2-Chlorophenol  | ND     |           | ug/l  | 2.0 | 0.48 | 1               |
| 2,4-Dichlorophenol                                      | ND     |           | ug/l  | 5.0 | 0.41 | 1               |
| 2,4-Dimethylphenol                                      | ND     |           | ug/l  | 5.0 | 1.8  | 1               |
| 2-Nitrophenol   | ND     |           | ug/l  | 10  | 0.85 | 1               |
| 4-Nitrophenol   | ND     |           | ug/l  | 10  | 0.67 | 1               |
| 2,4-Dinitrophenol                                       | ND     |           | ug/l  | 20  | 6.6  | 1               |
| 4,6-Dinitro-o-cresol                                    | ND     |           | ug/l  | 10  | 1.8  | 1               |
| Phenol  | ND     |           | ug/l  | 5.0 | 0.57 | 1               |
| 2-Methylphenol  | ND     |           | ug/l  | 5.0 | 0.49 | 1               |
| 3-Methylphenol/4-Methylphenol                           | ND     |           | ug/l  | 5.0 | 0.48 | 1               |
| 2,4,5-Trichlorophenol                                   | ND     |           | ug/l  | 5.0 | 0.77 | 1               |
| Benzoic Acid  | ND     |           | ug/l  | 50  | 2.6  | 1               |
| Benzyl Alcohol  | ND     |           | ug/l  | 2.0 | 0.59 | 1               |
| Carbazole   | ND     |           | ug/l  | 2.0 | 0.49 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 66         |           | 21-120              |
| Phenol-d6            | 53         |           | 10-120              |
| Nitrobenzene-d5      | 71         |           | 23-120              |
| 2-Fluorobiphenyl     | 73         |           | 15-120              |
| 2,4,6-Tribromophenol | 76         |           | 10-120              |
| 4-Terphenyl-d14      | 85         |           | 41-149              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

Lab ID: L2231237-01  
 Client ID: FB\_061322  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 09:00  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 06/17/22 14:03  
 Analyst: DV

Extraction Method: EPA 3510C  
 Extraction Date: 06/16/22 08:18

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|---|--------|-----------|-------|------|------|-----------------|
| <b>Semivolatile Organics by GC/MS-SIM - Westborough Lab</b> |        |           |       |      |      |                 |
| Acenaphthene  | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| 2-Chloronaphthalene   | ND     |           | ug/l  | 0.20 | 0.02 | 1               |
| Fluoranthene  | ND     |           | ug/l  | 0.10 | 0.02 | 1               |
| Hexachlorobutadiene   | ND     |           | ug/l  | 0.50 | 0.05 | 1               |
| Naphthalene   | ND     |           | ug/l  | 0.10 | 0.05 | 1               |
| Benzo(a)anthracene  | ND     |           | ug/l  | 0.10 | 0.02 | 1               |
| Benzo(a)pyrene  | ND     |           | ug/l  | 0.10 | 0.02 | 1               |
| Benzo(b)fluoranthene  | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| Benzo(k)fluoranthene  | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| Chrysene  | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| Acenaphthylene  | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| Anthracene  | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| Benzo(ghi)perylene  | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| Fluorene  | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| Phenanthrene  | 0.02   | J         | ug/l  | 0.10 | 0.02 | 1               |
| Dibenzo(a,h)anthracene                                      | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| Indeno(1,2,3-cd)pyrene                                      | ND     |           | ug/l  | 0.10 | 0.01 | 1               |
| Pyrene  | ND     |           | ug/l  | 0.10 | 0.02 | 1               |
| 2-Methylnaphthalene   | 0.03   | J         | ug/l  | 0.10 | 0.02 | 1               |
| Pentachlorophenol   | ND     |           | ug/l  | 0.80 | 0.01 | 1               |
| Hexachlorobenzene   | ND     |           | ug/l  | 0.80 | 0.01 | 1               |
| Hexachloroethane  | ND     |           | ug/l  | 0.80 | 0.06 | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

Lab ID: L2231237-01  
 Client ID: FB\_061322  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 09:00  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|----|-----|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab |        |           |       |    |     |                 |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 64         |           | 21-120              |
| Phenol-d6            | 50         |           | 10-120              |
| Nitrobenzene-d5      | 78         |           | 23-120              |
| 2-Fluorobiphenyl     | 78         |           | 15-120              |
| 2,4,6-Tribromophenol | 84         |           | 10-120              |
| 4-Terphenyl-d14      | 80         |           | 41-149              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

Lab ID: L2231237-01  
 Client ID: FB\_061322  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 09:00  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 06/20/22 19:04  
 Analyst: DB

Extraction Method: EPA 3510C  
 Extraction Date: 06/17/22 17:00

| Parameter                                | Result | Qualifier | Units      | RL        | MDL                 | Dilution Factor |
|--|--------|-----------|------------|-----------|---------------------|-----------------|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab |        |           |            |           |                     |                 |
| 1,4-Dioxane                              | ND     |           | ng/l       | 156       | 35.3                | 1               |
| Surrogate                                |        |           | % Recovery | Qualifier | Acceptance Criteria |                 |
| 1,4-Dioxane-d8                           |        |           | 43         |           | 15-110              |                 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-02  
**Client ID:** SB014(0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 10:00  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 06/19/22 00:21  
**Analyst:** CMM  
**Percent Solids:** 97%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/17/22 14:15

| Parameter   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |     |                 |
| Acenaphthene  | 22     | J         | ug/kg | 140 | 18. | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 170 | 19. | 1               |
| Hexachlorobenzene                                       | ND     |           | ug/kg | 100 | 19. | 1               |
| Bis(2-chloroethyl)ether                                 | ND     |           | ug/kg | 150 | 23. | 1               |
| 2-Chloronaphthalene                                     | ND     |           | ug/kg | 170 | 17. | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 170 | 30. | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 170 | 29. | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 170 | 30. | 1               |
| 3,3'-Dichlorobenzidine                                  | ND     |           | ug/kg | 170 | 45. | 1               |
| 2,4-Dinitrotoluene                                      | ND     |           | ug/kg | 170 | 34. | 1               |
| 2,6-Dinitrotoluene                                      | ND     |           | ug/kg | 170 | 29. | 1               |
| Fluoranthene  | 660    |           | ug/kg | 100 | 20. | 1               |
| 4-Chlorophenyl phenyl ether                             | ND     |           | ug/kg | 170 | 18. | 1               |
| 4-Bromophenyl phenyl ether                              | ND     |           | ug/kg | 170 | 26. | 1               |
| Bis(2-chloroisopropyl)ether                             | ND     |           | ug/kg | 200 | 29. | 1               |
| Bis(2-chloroethoxy)methane                              | ND     |           | ug/kg | 180 | 17. | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 170 | 25. | 1               |
| Hexachlorocyclopentadiene                               | ND     |           | ug/kg | 490 | 150 | 1               |
| Hexachloroethane  | ND     |           | ug/kg | 140 | 28. | 1               |
| Isophorone  | ND     |           | ug/kg | 150 | 22. | 1               |
| Naphthalene   | 35     | J         | ug/kg | 170 | 21. | 1               |
| Nitrobenzene  | ND     |           | ug/kg | 150 | 25. | 1               |
| NDPA/DPA  | ND     |           | ug/kg | 140 | 19. | 1               |
| n-Nitrosodi-n-propylamine                               | ND     |           | ug/kg | 170 | 26. | 1               |
| Bis(2-ethylhexyl)phthalate                              | 120    | J         | ug/kg | 170 | 59. | 1               |
| Butyl benzyl phthalate                                  | ND     |           | ug/kg | 170 | 43. | 1               |
| Di-n-butylphthalate                                     | ND     |           | ug/kg | 170 | 32. | 1               |
| Di-n-octylphthalate                                     | ND     |           | ug/kg | 170 | 58. | 1               |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-02  
**Client ID:** SB014(0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 10:00  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |     |                 |
| Diethyl phthalate                                       | ND     |           | ug/kg | 170 | 16. | 1               |
| Dimethyl phthalate                                      | ND     |           | ug/kg | 170 | 36. | 1               |
| Benzo(a)anthracene                                      | 340    |           | ug/kg | 100 | 19. | 1               |
| Benzo(a)pyrene  | 370    |           | ug/kg | 140 | 42. | 1               |
| Benzo(b)fluoranthene                                    | 460    |           | ug/kg | 100 | 29. | 1               |
| Benzo(k)fluoranthene                                    | 160    |           | ug/kg | 100 | 27. | 1               |
| Chrysene  | 350    |           | ug/kg | 100 | 18. | 1               |
| Acenaphthylene  | 35     | J         | ug/kg | 140 | 26. | 1               |
| Anthracene  | 81     | J         | ug/kg | 100 | 33. | 1               |
| Benzo(ghi)perylene                                      | 260    |           | ug/kg | 140 | 20. | 1               |
| Fluorene  | 27     | J         | ug/kg | 170 | 16. | 1               |
| Phenanthrene  | 380    |           | ug/kg | 100 | 21. | 1               |
| Dibenzo(a,h)anthracene                                  | 59     | J         | ug/kg | 100 | 20. | 1               |
| Indeno(1,2,3-cd)pyrene                                  | 290    |           | ug/kg | 140 | 24. | 1               |
| Pyrene  | 670    |           | ug/kg | 100 | 17. | 1               |
| Biphenyl  | ND     |           | ug/kg | 390 | 22. | 1               |
| 4-Chloroaniline   | ND     |           | ug/kg | 170 | 31. | 1               |
| 2-Nitroaniline  | ND     |           | ug/kg | 170 | 33. | 1               |
| 3-Nitroaniline  | ND     |           | ug/kg | 170 | 32. | 1               |
| 4-Nitroaniline  | ND     |           | ug/kg | 170 | 70. | 1               |
| Dibenzofuran  | 17     | J         | ug/kg | 170 | 16. | 1               |
| 2-Methylnaphthalene                                     | ND     |           | ug/kg | 200 | 20. | 1               |
| 1,2,4,5-Tetrachlorobenzene                              | ND     |           | ug/kg | 170 | 18. | 1               |
| Acetophenone  | ND     |           | ug/kg | 170 | 21. | 1               |
| 2,4,6-Trichlorophenol                                   | ND     |           | ug/kg | 100 | 32. | 1               |
| p-Chloro-m-cresol                                       | ND     |           | ug/kg | 170 | 25. | 1               |
| 2-Chlorophenol  | ND     |           | ug/kg | 170 | 20. | 1               |
| 2,4-Dichlorophenol                                      | ND     |           | ug/kg | 150 | 27. | 1               |
| 2,4-Dimethylphenol                                      | ND     |           | ug/kg | 170 | 56. | 1               |
| 2-Nitrophenol   | ND     |           | ug/kg | 370 | 64. | 1               |
| 4-Nitrophenol   | ND     |           | ug/kg | 240 | 69. | 1               |
| 2,4-Dinitrophenol                                       | ND     |           | ug/kg | 820 | 79. | 1               |
| 4,6-Dinitro-o-cresol                                    | ND     |           | ug/kg | 440 | 82. | 1               |
| Pentachlorophenol                                       | ND     |           | ug/kg | 140 | 37. | 1               |
| Phenol  | ND     |           | ug/kg | 170 | 26. | 1               |
| 2-Methylphenol  | ND     |           | ug/kg | 170 | 26. | 1               |
| 3-Methylphenol/4-Methylphenol                           | ND     |           | ug/kg | 240 | 27. | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

Lab ID: L2231237-02  
 Client ID: SB014(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 10:00  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 170 | 33. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 550 | 170 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 170 | 52. | 1               |
| Carbazole  | 42     | J         | ug/kg | 170 | 16. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 26  | 7.8 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 23         | Q         | 25-120              |
| Phenol-d6            | 62         |           | 10-120              |
| Nitrobenzene-d5      | 61         |           | 23-120              |
| 2-Fluorobiphenyl     | 71         |           | 30-120              |
| 2,4,6-Tribromophenol | 20         |           | 10-136              |
| 4-Terphenyl-d14      | 60         |           | 18-120              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

Lab ID: L2231237-03 D  
 Client ID: SB015(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 11:40  
 Date Received: 06/13/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 06/17/22 11:04  
 Analyst: JG  
 Percent Solids: 92%

Extraction Method: EPA 3546  
 Extraction Date: 06/14/22 21:24

| Parameter   | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---|--------|-----------|-------|------|-----|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |      |     |                 |
| Acenaphthene  | ND     |           | ug/kg | 720  | 93. | 5               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 890  | 100 | 5               |
| Hexachlorobenzene                                       | ND     |           | ug/kg | 540  | 100 | 5               |
| Bis(2-chloroethyl)ether                                 | ND     |           | ug/kg | 800  | 120 | 5               |
| 2-Chloronaphthalene                                     | ND     |           | ug/kg | 890  | 89. | 5               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 890  | 160 | 5               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 890  | 150 | 5               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 890  | 160 | 5               |
| 3,3'-Dichlorobenzidine                                  | ND     |           | ug/kg | 890  | 240 | 5               |
| 2,4-Dinitrotoluene                                      | ND     |           | ug/kg | 890  | 180 | 5               |
| 2,6-Dinitrotoluene                                      | ND     |           | ug/kg | 890  | 150 | 5               |
| Fluoranthene  | 410    | J         | ug/kg | 540  | 100 | 5               |
| 4-Chlorophenyl phenyl ether                             | ND     |           | ug/kg | 890  | 96. | 5               |
| 4-Bromophenyl phenyl ether                              | ND     |           | ug/kg | 890  | 140 | 5               |
| Bis(2-chloroisopropyl)ether                             | ND     |           | ug/kg | 1100 | 150 | 5               |
| Bis(2-chloroethoxy)methane                              | ND     |           | ug/kg | 960  | 90. | 5               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 890  | 130 | 5               |
| Hexachlorocyclopentadiene                               | ND     |           | ug/kg | 2600 | 810 | 5               |
| Hexachloroethane  | ND     |           | ug/kg | 720  | 140 | 5               |
| Isophorone  | ND     |           | ug/kg | 800  | 120 | 5               |
| Naphthalene   | ND     |           | ug/kg | 890  | 110 | 5               |
| Nitrobenzene  | ND     |           | ug/kg | 800  | 130 | 5               |
| NDPA/DPA  | ND     |           | ug/kg | 720  | 100 | 5               |
| n-Nitrosodi-n-propylamine                               | ND     |           | ug/kg | 890  | 140 | 5               |
| Bis(2-ethylhexyl)phthalate                              | ND     |           | ug/kg | 890  | 310 | 5               |
| Butyl benzyl phthalate                                  | ND     |           | ug/kg | 890  | 220 | 5               |
| Di-n-butylphthalate                                     | ND     |           | ug/kg | 890  | 170 | 5               |
| Di-n-octylphthalate                                     | ND     |           | ug/kg | 890  | 300 | 5               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

Lab ID: L2231237-03 D  
 Client ID: SB015(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 11:40  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---|--------|-----------|-------|------|-----|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |      |     |                 |
| Diethyl phthalate                                       | ND     |           | ug/kg | 890  | 83. | 5               |
| Dimethyl phthalate                                      | ND     |           | ug/kg | 890  | 190 | 5               |
| Benzo(a)anthracene                                      | 230    | J         | ug/kg | 540  | 100 | 5               |
| Benzo(a)pyrene  | 240    | J         | ug/kg | 720  | 220 | 5               |
| Benzo(b)fluoranthene                                    | 460    | J         | ug/kg | 540  | 150 | 5               |
| Benzo(k)fluoranthene                                    | ND     |           | ug/kg | 540  | 140 | 5               |
| Chrysene  | 330    | J         | ug/kg | 540  | 93. | 5               |
| Acenaphthylene  | ND     |           | ug/kg | 720  | 140 | 5               |
| Anthracene  | ND     |           | ug/kg | 540  | 170 | 5               |
| Benzo(ghi)perylene                                      | 240    | J         | ug/kg | 720  | 100 | 5               |
| Fluorene  | ND     |           | ug/kg | 890  | 87. | 5               |
| Phenanthrene  | 140    | J         | ug/kg | 540  | 110 | 5               |
| Dibenzo(a,h)anthracene                                  | ND     |           | ug/kg | 540  | 100 | 5               |
| Indeno(1,2,3-cd)pyrene                                  | 240    | J         | ug/kg | 720  | 120 | 5               |
| Pyrene  | 470    | J         | ug/kg | 540  | 89. | 5               |
| Biphenyl  | ND     |           | ug/kg | 2000 | 120 | 5               |
| 4-Chloroaniline   | ND     |           | ug/kg | 890  | 160 | 5               |
| 2-Nitroaniline  | ND     |           | ug/kg | 890  | 170 | 5               |
| 3-Nitroaniline  | ND     |           | ug/kg | 890  | 170 | 5               |
| 4-Nitroaniline  | ND     |           | ug/kg | 890  | 370 | 5               |
| Dibenzofuran  | ND     |           | ug/kg | 890  | 85. | 5               |
| 2-Methylnaphthalene                                     | ND     |           | ug/kg | 1100 | 110 | 5               |
| 1,2,4,5-Tetrachlorobenzene                              | ND     |           | ug/kg | 890  | 93. | 5               |
| Acetophenone  | ND     |           | ug/kg | 890  | 110 | 5               |
| 2,4,6-Trichlorophenol                                   | ND     |           | ug/kg | 540  | 170 | 5               |
| p-Chloro-m-cresol                                       | ND     |           | ug/kg | 890  | 130 | 5               |
| 2-Chlorophenol  | ND     |           | ug/kg | 890  | 100 | 5               |
| 2,4-Dichlorophenol                                      | ND     |           | ug/kg | 800  | 140 | 5               |
| 2,4-Dimethylphenol                                      | ND     |           | ug/kg | 890  | 300 | 5               |
| 2-Nitrophenol   | ND     |           | ug/kg | 1900 | 340 | 5               |
| 4-Nitrophenol   | ND     |           | ug/kg | 1200 | 360 | 5               |
| 2,4-Dinitrophenol                                       | ND     |           | ug/kg | 4300 | 420 | 5               |
| 4,6-Dinitro-o-cresol                                    | ND     |           | ug/kg | 2300 | 430 | 5               |
| Pentachlorophenol                                       | ND     |           | ug/kg | 720  | 200 | 5               |
| Phenol  | ND     |           | ug/kg | 890  | 140 | 5               |
| 2-Methylphenol  | ND     |           | ug/kg | 890  | 140 | 5               |
| 3-Methylphenol/4-Methylphenol                           | ND     |           | ug/kg | 1300 | 140 | 5               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

Lab ID: L2231237-03 D  
 Client ID: SB015(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 11:40  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|--|--------|-----------|-------|------|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |      |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 890  | 170 | 5               |
| Benzoic Acid                                     | ND     |           | ug/kg | 2900 | 900 | 5               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 890  | 270 | 5               |
| Carbazole  | ND     |           | ug/kg | 890  | 87. | 5               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 130  | 41. | 5               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 67         |           | 25-120              |
| Phenol-d6            | 71         |           | 10-120              |
| Nitrobenzene-d5      | 68         |           | 23-120              |
| 2-Fluorobiphenyl     | 74         |           | 30-120              |
| 2,4,6-Tribromophenol | 70         |           | 10-136              |
| 4-Terphenyl-d14      | 74         |           | 18-120              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

Lab ID: L2231237-04 D  
 Client ID: SB014(10-12)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 12:30  
 Date Received: 06/13/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 06/17/22 09:52  
 Analyst: JG  
 Percent Solids: 92%

Extraction Method: EPA 3546  
 Extraction Date: 06/14/22 21:24

| Parameter   | Result | Qualifier | Units | RL    | MDL  | Dilution Factor |
|---|--------|-----------|-------|-------|------|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |       |      |                 |
| Acenaphthene  | 5800   |           | ug/kg | 4100  | 530  | 10              |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 5200  | 590  | 10              |
| Hexachlorobenzene                                       | ND     |           | ug/kg | 3100  | 580  | 10              |
| Bis(2-chloroethyl)ether                                 | ND     |           | ug/kg | 4600  | 700  | 10              |
| 2-Chloronaphthalene                                     | ND     |           | ug/kg | 5200  | 510  | 10              |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 5200  | 930  | 10              |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 5200  | 890  | 10              |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 5200  | 900  | 10              |
| 3,3'-Dichlorobenzidine                                  | ND     |           | ug/kg | 5200  | 1400 | 10              |
| 2,4-Dinitrotoluene                                      | ND     |           | ug/kg | 5200  | 1000 | 10              |
| 2,6-Dinitrotoluene                                      | ND     |           | ug/kg | 5200  | 880  | 10              |
| Fluoranthene  | 82000  |           | ug/kg | 3100  | 590  | 10              |
| 4-Chlorophenyl phenyl ether                             | ND     |           | ug/kg | 5200  | 550  | 10              |
| 4-Bromophenyl phenyl ether                              | ND     |           | ug/kg | 5200  | 790  | 10              |
| Bis(2-chloroisopropyl)ether                             | ND     |           | ug/kg | 6200  | 880  | 10              |
| Bis(2-chloroethoxy)methane                              | ND     |           | ug/kg | 5600  | 520  | 10              |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 5200  | 750  | 10              |
| Hexachlorocyclopentadiene                               | ND     |           | ug/kg | 15000 | 4700 | 10              |
| Hexachloroethane  | ND     |           | ug/kg | 4100  | 830  | 10              |
| Isophorone  | ND     |           | ug/kg | 4600  | 670  | 10              |
| Naphthalene   | 3000   | J         | ug/kg | 5200  | 630  | 10              |
| Nitrobenzene  | ND     |           | ug/kg | 4600  | 760  | 10              |
| NDPA/DPA  | ND     |           | ug/kg | 4100  | 590  | 10              |
| n-Nitrosodi-n-propylamine                               | ND     |           | ug/kg | 5200  | 800  | 10              |
| Bis(2-ethylhexyl)phthalate                              | ND     |           | ug/kg | 5200  | 1800 | 10              |
| Butyl benzyl phthalate                                  | ND     |           | ug/kg | 5200  | 1300 | 10              |
| Di-n-butylphthalate                                     | ND     |           | ug/kg | 5200  | 980  | 10              |
| Di-n-octylphthalate                                     | ND     |           | ug/kg | 5200  | 1800 | 10              |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

## SAMPLE RESULTS

Lab ID: L2231237-04 D

Date Collected: 06/13/22 12:30

Client ID: SB014(10-12)

Date Received: 06/13/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL    | MDL  | Dilution Factor |
|--|--------|-----------|-------|-------|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |       |      |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 5200  | 480  | 10              |
| Dimethyl phthalate                               | ND     |           | ug/kg | 5200  | 1100 | 10              |
| Benzo(a)anthracene                               | 37000  |           | ug/kg | 3100  | 580  | 10              |
| Benzo(a)pyrene                                   | 37000  |           | ug/kg | 4100  | 1200 | 10              |
| Benzo(b)fluoranthene                             | 34000  |           | ug/kg | 3100  | 870  | 10              |
| Benzo(k)fluoranthene                             | 11000  |           | ug/kg | 3100  | 820  | 10              |
| Chrysene   | 40000  |           | ug/kg | 3100  | 540  | 10              |
| Acenaphthylene                                   | 4500   |           | ug/kg | 4100  | 800  | 10              |
| Anthracene                                       | 19000  |           | ug/kg | 3100  | 1000 | 10              |
| Benzo(ghi)perylene                               | 17000  |           | ug/kg | 4100  | 610  | 10              |
| Fluorene   | 11000  |           | ug/kg | 5200  | 500  | 10              |
| Phenanthrene                                     | 95000  |           | ug/kg | 3100  | 630  | 10              |
| Dibenzo(a,h)anthracene                           | 3800   |           | ug/kg | 3100  | 600  | 10              |
| Indeno(1,2,3-cd)pyrene                           | 17000  |           | ug/kg | 4100  | 720  | 10              |
| Pyrene   | 100000 |           | ug/kg | 3100  | 510  | 10              |
| Biphenyl   | ND     |           | ug/kg | 12000 | 670  | 10              |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 5200  | 940  | 10              |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 5200  | 990  | 10              |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 5200  | 970  | 10              |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 5200  | 2100 | 10              |
| Dibenzofuran                                     | 3900   | J         | ug/kg | 5200  | 490  | 10              |
| 2-Methylnaphthalene                              | 2300   | J         | ug/kg | 6200  | 620  | 10              |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 5200  | 540  | 10              |
| Acetophenone                                     | ND     |           | ug/kg | 5200  | 640  | 10              |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 3100  | 980  | 10              |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 5200  | 770  | 10              |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 5200  | 610  | 10              |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 4600  | 830  | 10              |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 5200  | 1700 | 10              |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 11000 | 1900 | 10              |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 7200  | 2100 | 10              |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 25000 | 2400 | 10              |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 13000 | 2500 | 10              |
| Pentachlorophenol                                | ND     |           | ug/kg | 4100  | 1100 | 10              |
| Phenol   | ND     |           | ug/kg | 5200  | 780  | 10              |
| 2-Methylphenol                                   | ND     |           | ug/kg | 5200  | 800  | 10              |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 7400  | 810  | 10              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

Lab ID: L2231237-04 D  
 Client ID: SB014(10-12)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 12:30  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL    | MDL  | Dilution Factor |
|--|--------|-----------|-------|-------|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |       |      |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 5200  | 990  | 10              |
| Benzoic Acid                                     | ND     |           | ug/kg | 17000 | 5200 | 10              |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 5200  | 1600 | 10              |
| Carbazole  | 2500   | J         | ug/kg | 5200  | 500  | 10              |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 770   | 240  | 10              |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 81         |           | 25-120              |
| Phenol-d6            | 92         |           | 10-120              |
| Nitrobenzene-d5      | 83         |           | 23-120              |
| 2-Fluorobiphenyl     | 93         |           | 30-120              |
| 2,4,6-Tribromophenol | 82         |           | 10-136              |
| 4-Terphenyl-d14      | 102        |           | 18-120              |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

Lab ID: L2231237-05  
 Client ID: SB014(14-16)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 12:40  
 Date Received: 06/13/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 06/16/22 14:15  
 Analyst: CMM  
 Percent Solids: 90%

Extraction Method: EPA 3546  
 Extraction Date: 06/14/22 21:24

| Parameter   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |     |                 |
| Acenaphthene  | ND     |           | ug/kg | 150 | 19. | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 180 | 21. | 1               |
| Hexachlorobenzene                                       | ND     |           | ug/kg | 110 | 21. | 1               |
| Bis(2-chloroethyl)ether                                 | ND     |           | ug/kg | 160 | 25. | 1               |
| 2-Chloronaphthalene                                     | ND     |           | ug/kg | 180 | 18. | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 33. | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 32. | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 32. | 1               |
| 3,3'-Dichlorobenzidine                                  | ND     |           | ug/kg | 180 | 49. | 1               |
| 2,4-Dinitrotoluene                                      | ND     |           | ug/kg | 180 | 37. | 1               |
| 2,6-Dinitrotoluene                                      | ND     |           | ug/kg | 180 | 32. | 1               |
| Fluoranthene  | 430    |           | ug/kg | 110 | 21. | 1               |
| 4-Chlorophenyl phenyl ether                             | ND     |           | ug/kg | 180 | 20. | 1               |
| 4-Bromophenyl phenyl ether                              | ND     |           | ug/kg | 180 | 28. | 1               |
| Bis(2-chloroisopropyl)ether                             | ND     |           | ug/kg | 220 | 31. | 1               |
| Bis(2-chloroethoxy)methane                              | ND     |           | ug/kg | 200 | 18. | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 180 | 27. | 1               |
| Hexachlorocyclopentadiene                               | ND     |           | ug/kg | 530 | 170 | 1               |
| Hexachloroethane  | ND     |           | ug/kg | 150 | 30. | 1               |
| Isophorone  | ND     |           | ug/kg | 160 | 24. | 1               |
| Naphthalene   | 34     | J         | ug/kg | 180 | 22. | 1               |
| Nitrobenzene  | ND     |           | ug/kg | 160 | 27. | 1               |
| NDPA/DPA  | ND     |           | ug/kg | 150 | 21. | 1               |
| n-Nitrosodi-n-propylamine                               | ND     |           | ug/kg | 180 | 28. | 1               |
| Bis(2-ethylhexyl)phthalate                              | ND     |           | ug/kg | 180 | 64. | 1               |
| Butyl benzyl phthalate                                  | ND     |           | ug/kg | 180 | 46. | 1               |
| Di-n-butylphthalate                                     | ND     |           | ug/kg | 180 | 35. | 1               |
| Di-n-octylphthalate                                     | ND     |           | ug/kg | 180 | 63. | 1               |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

## SAMPLE RESULTS

Lab ID: L2231237-05  
 Client ID: SB014(14-16)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 12:40  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 180 | 17. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 180 | 39. | 1               |
| Benzo(a)anthracene                               | 320    |           | ug/kg | 110 | 21. | 1               |
| Benzo(a)pyrene                                   | 340    |           | ug/kg | 150 | 45. | 1               |
| Benzo(b)fluoranthene                             | 400    |           | ug/kg | 110 | 31. | 1               |
| Benzo(k)fluoranthene                             | 140    |           | ug/kg | 110 | 29. | 1               |
| Chrysene   | 330    |           | ug/kg | 110 | 19. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 150 | 28. | 1               |
| Anthracene                                       | 43     | J         | ug/kg | 110 | 36. | 1               |
| Benzo(ghi)perylene                               | 220    |           | ug/kg | 150 | 22. | 1               |
| Fluorene   | ND     |           | ug/kg | 180 | 18. | 1               |
| Phenanthrene                                     | 200    |           | ug/kg | 110 | 22. | 1               |
| Dibenzo(a,h)anthracene                           | 56     | J         | ug/kg | 110 | 21. | 1               |
| Indeno(1,2,3-cd)pyrene                           | 240    |           | ug/kg | 150 | 26. | 1               |
| Pyrene   | 370    |           | ug/kg | 110 | 18. | 1               |
| Biphenyl   | ND     |           | ug/kg | 420 | 24. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 180 | 34. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 180 | 35. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 180 | 35. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 180 | 76. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 180 | 17. | 1               |
| 2-Methylnaphthalene                              | 23     | J         | ug/kg | 220 | 22. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 180 | 19. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 180 | 23. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 110 | 35. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 180 | 27. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 180 | 22. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 160 | 30. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 180 | 61. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 400 | 69. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 260 | 75. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 880 | 86. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 480 | 88. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 150 | 40. | 1               |
| Phenol   | ND     |           | ug/kg | 180 | 28. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 180 | 28. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 260 | 29. | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

Lab ID: L2231237-05  
 Client ID: SB014(14-16)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 12:40  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 180 | 35. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 600 | 190 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 180 | 56. | 1               |
| Carbazole  | 27     | J         | ug/kg | 180 | 18. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 28  | 8.5 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 80         |           | 25-120              |
| Phenol-d6            | 84         |           | 10-120              |
| Nitrobenzene-d5      | 89         |           | 23-120              |
| 2-Fluorobiphenyl     | 97         |           | 30-120              |
| 2,4,6-Tribromophenol | 93         |           | 10-136              |
| 4-Terphenyl-d14      | 78         |           | 18-120              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

Lab ID: L2231237-06  
 Client ID: SB015(6-8)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 12:50  
 Date Received: 06/13/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 06/16/22 14:39  
 Analyst: CMM  
 Percent Solids: 93%

Extraction Method: EPA 3546  
 Extraction Date: 06/14/22 21:24

| Parameter   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |     |                 |
| Acenaphthene  | ND     |           | ug/kg | 140 | 18. | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 180 | 20. | 1               |
| Hexachlorobenzene                                       | ND     |           | ug/kg | 110 | 20. | 1               |
| Bis(2-chloroethyl)ether                                 | ND     |           | ug/kg | 160 | 24. | 1               |
| 2-Chloronaphthalene                                     | ND     |           | ug/kg | 180 | 18. | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 32. | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 30. | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 180 | 31. | 1               |
| 3,3'-Dichlorobenzidine                                  | ND     |           | ug/kg | 180 | 47. | 1               |
| 2,4-Dinitrotoluene                                      | ND     |           | ug/kg | 180 | 35. | 1               |
| 2,6-Dinitrotoluene                                      | ND     |           | ug/kg | 180 | 30. | 1               |
| Fluoranthene  | 180    |           | ug/kg | 110 | 20. | 1               |
| 4-Chlorophenyl phenyl ether                             | ND     |           | ug/kg | 180 | 19. | 1               |
| 4-Bromophenyl phenyl ether                              | ND     |           | ug/kg | 180 | 27. | 1               |
| Bis(2-chloroisopropyl)ether                             | ND     |           | ug/kg | 210 | 30. | 1               |
| Bis(2-chloroethoxy)methane                              | ND     |           | ug/kg | 190 | 18. | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 180 | 26. | 1               |
| Hexachlorocyclopentadiene                               | ND     |           | ug/kg | 510 | 160 | 1               |
| Hexachloroethane  | ND     |           | ug/kg | 140 | 29. | 1               |
| Isophorone  | ND     |           | ug/kg | 160 | 23. | 1               |
| Naphthalene   | ND     |           | ug/kg | 180 | 22. | 1               |
| Nitrobenzene  | ND     |           | ug/kg | 160 | 26. | 1               |
| NDPA/DPA  | ND     |           | ug/kg | 140 | 20. | 1               |
| n-Nitrosodi-n-propylamine                               | ND     |           | ug/kg | 180 | 27. | 1               |
| Bis(2-ethylhexyl)phthalate                              | ND     |           | ug/kg | 180 | 61. | 1               |
| Butyl benzyl phthalate                                  | ND     |           | ug/kg | 180 | 44. | 1               |
| Di-n-butylphthalate                                     | ND     |           | ug/kg | 180 | 34. | 1               |
| Di-n-octylphthalate                                     | ND     |           | ug/kg | 180 | 60. | 1               |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

## SAMPLE RESULTS

Lab ID: L2231237-06  
 Client ID: SB015(6-8)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 12:50  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 180 | 16. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 180 | 37. | 1               |
| Benzo(a)anthracene                               | 120    |           | ug/kg | 110 | 20. | 1               |
| Benzo(a)pyrene                                   | 110    | J         | ug/kg | 140 | 43. | 1               |
| Benzo(b)fluoranthene                             | 120    |           | ug/kg | 110 | 30. | 1               |
| Benzo(k)fluoranthene                             | 51     | J         | ug/kg | 110 | 28. | 1               |
| Chrysene   | 120    |           | ug/kg | 110 | 18. | 1               |
| Acenaphthylene                                   | 28     | J         | ug/kg | 140 | 27. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 110 | 34. | 1               |
| Benzo(ghi)perylene                               | 67     | J         | ug/kg | 140 | 21. | 1               |
| Fluorene   | ND     |           | ug/kg | 180 | 17. | 1               |
| Phenanthrene                                     | 120    |           | ug/kg | 110 | 22. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 110 | 20. | 1               |
| Indeno(1,2,3-cd)pyrene                           | 74     | J         | ug/kg | 140 | 25. | 1               |
| Pyrene   | 150    |           | ug/kg | 110 | 18. | 1               |
| Biphenyl   | ND     |           | ug/kg | 400 | 23. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 180 | 32. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 180 | 34. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 180 | 33. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 180 | 73. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 180 | 17. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 210 | 21. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 180 | 18. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 180 | 22. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 110 | 34. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 180 | 26. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 180 | 21. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 160 | 28. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 180 | 58. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 380 | 66. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 250 | 72. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 850 | 82. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 460 | 85. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 140 | 39. | 1               |
| Phenol   | ND     |           | ug/kg | 180 | 27. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 180 | 27. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 250 | 28. | 1               |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

Lab ID: L2231237-06  
 Client ID: SB015(6-8)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 12:50  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 180 | 34. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 570 | 180 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 180 | 54. | 1               |
| Carbazole  | ND     |           | ug/kg | 180 | 17. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 26  | 8.1 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 93         |           | 25-120              |
| Phenol-d6            | 95         |           | 10-120              |
| Nitrobenzene-d5      | 86         |           | 23-120              |
| 2-Fluorobiphenyl     | 89         |           | 30-120              |
| 2,4,6-Tribromophenol | 102        |           | 10-136              |
| 4-Terphenyl-d14      | 72         |           | 18-120              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-07  
**Client ID:** SB015(12-14)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 13:00  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 06/17/22 03:29  
**Analyst:** JG  
**Percent Solids:** 83%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/14/22 21:24

| Parameter   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---|--------|-----------|-------|-----|-----|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |     |                 |
| Acenaphthene  | ND     |           | ug/kg | 160 | 20. | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 200 | 22. | 1               |
| Hexachlorobenzene                                       | ND     |           | ug/kg | 120 | 22. | 1               |
| Bis(2-chloroethyl)ether                                 | ND     |           | ug/kg | 180 | 27. | 1               |
| 2-Chloronaphthalene                                     | ND     |           | ug/kg | 200 | 20. | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 200 | 35. | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 200 | 34. | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 200 | 34. | 1               |
| 3,3'-Dichlorobenzidine                                  | ND     |           | ug/kg | 200 | 52. | 1               |
| 2,4-Dinitrotoluene                                      | ND     |           | ug/kg | 200 | 39. | 1               |
| 2,6-Dinitrotoluene                                      | ND     |           | ug/kg | 200 | 34. | 1               |
| Fluoranthene  | ND     |           | ug/kg | 120 | 23. | 1               |
| 4-Chlorophenyl phenyl ether                             | ND     |           | ug/kg | 200 | 21. | 1               |
| 4-Bromophenyl phenyl ether                              | ND     |           | ug/kg | 200 | 30. | 1               |
| Bis(2-chloroisopropyl)ether                             | ND     |           | ug/kg | 240 | 34. | 1               |
| Bis(2-chloroethoxy)methane                              | ND     |           | ug/kg | 210 | 20. | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 200 | 29. | 1               |
| Hexachlorocyclopentadiene                               | ND     |           | ug/kg | 560 | 180 | 1               |
| Hexachloroethane  | ND     |           | ug/kg | 160 | 32. | 1               |
| Isophorone  | ND     |           | ug/kg | 180 | 26. | 1               |
| Naphthalene   | ND     |           | ug/kg | 200 | 24. | 1               |
| Nitrobenzene  | ND     |           | ug/kg | 180 | 29. | 1               |
| NDPA/DPA  | ND     |           | ug/kg | 160 | 22. | 1               |
| n-Nitrosodi-n-propylamine                               | ND     |           | ug/kg | 200 | 30. | 1               |
| Bis(2-ethylhexyl)phthalate                              | ND     |           | ug/kg | 200 | 68. | 1               |
| Butyl benzyl phthalate                                  | ND     |           | ug/kg | 200 | 50. | 1               |
| Di-n-butylphthalate                                     | ND     |           | ug/kg | 200 | 37. | 1               |
| Di-n-octylphthalate                                     | ND     |           | ug/kg | 200 | 67. | 1               |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

## SAMPLE RESULTS

Lab ID: L2231237-07  
 Client ID: SB015(12-14)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 13:00  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 200 | 18. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 200 | 41. | 1               |
| Benzo(a)anthracene                               | ND     |           | ug/kg | 120 | 22. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 160 | 48. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 120 | 33. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 120 | 32. | 1               |
| Chrysene   | ND     |           | ug/kg | 120 | 20. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 160 | 30. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 120 | 38. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 160 | 23. | 1               |
| Fluorene   | ND     |           | ug/kg | 200 | 19. | 1               |
| Phenanthrene                                     | ND     |           | ug/kg | 120 | 24. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 120 | 23. | 1               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 160 | 28. | 1               |
| Pyrene   | ND     |           | ug/kg | 120 | 20. | 1               |
| Biphenyl   | ND     |           | ug/kg | 450 | 26. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 200 | 36. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 200 | 38. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 200 | 37. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 200 | 82. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 200 | 19. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 240 | 24. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 200 | 21. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 200 | 24. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 120 | 37. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 200 | 29. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 200 | 23. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 180 | 32. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 200 | 65. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 430 | 74. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 280 | 80. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 950 | 92. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 510 | 95. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 160 | 43. | 1               |
| Phenol   | ND     |           | ug/kg | 200 | 30. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 200 | 31. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 280 | 31. | 1               |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

Lab ID: L2231237-07  
 Client ID: SB015(12-14)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 13:00  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 200 | 38. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 640 | 200 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 200 | 60. | 1               |
| Carbazole  | ND     |           | ug/kg | 200 | 19. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 30  | 9.1 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 86         |           | 25-120              |
| Phenol-d6            | 87         |           | 10-120              |
| Nitrobenzene-d5      | 77         |           | 23-120              |
| 2-Fluorobiphenyl     | 81         |           | 30-120              |
| 2,4,6-Tribromophenol | 80         |           | 10-136              |
| 4-Terphenyl-d14      | 76         |           | 18-120              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 06/15/22 05:55  
Analyst: IM

Extraction Method: EPA 3546  
Extraction Date: 06/14/22 19:42

| Parameter   | Result | Qualifier | Units | RL  | MDL |
|---|--------|-----------|-------|-----|-----|
| Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 03-07 Batch: WG1650568-1 |        |           |       |     |     |
| Acenaphthene  | ND     |           | ug/kg | 130 | 17. |
| 1,2,4-Trichlorobenzene  | ND     |           | ug/kg | 160 | 19. |
| Hexachlorobenzene   | ND     |           | ug/kg | 99  | 18. |
| Bis(2-chloroethyl)ether   | ND     |           | ug/kg | 150 | 22. |
| 2-Chloronaphthalene   | ND     |           | ug/kg | 160 | 16. |
| 1,2-Dichlorobenzene   | ND     |           | ug/kg | 160 | 30. |
| 1,3-Dichlorobenzene   | ND     |           | ug/kg | 160 | 28. |
| 1,4-Dichlorobenzene   | ND     |           | ug/kg | 160 | 29. |
| 3,3'-Dichlorobenzidine  | ND     |           | ug/kg | 160 | 44. |
| 2,4-Dinitrotoluene  | ND     |           | ug/kg | 160 | 33. |
| 2,6-Dinitrotoluene  | ND     |           | ug/kg | 160 | 28. |
| Fluoranthene  | ND     |           | ug/kg | 99  | 19. |
| 4-Chlorophenyl phenyl ether   | ND     |           | ug/kg | 160 | 18. |
| 4-Bromophenyl phenyl ether  | ND     |           | ug/kg | 160 | 25. |
| Bis(2-chloroisopropyl)ether   | ND     |           | ug/kg | 200 | 28. |
| Bis(2-chloroethoxy)methane  | ND     |           | ug/kg | 180 | 16. |
| Hexachlorobutadiene   | ND     |           | ug/kg | 160 | 24. |
| Hexachlorocyclopentadiene   | ND     |           | ug/kg | 470 | 150 |
| Hexachloroethane  | ND     |           | ug/kg | 130 | 27. |
| Isophorone  | ND     |           | ug/kg | 150 | 21. |
| Naphthalene   | ND     |           | ug/kg | 160 | 20. |
| Nitrobenzene  | ND     |           | ug/kg | 150 | 24. |
| NDPA/DPA  | ND     |           | ug/kg | 130 | 19. |
| n-Nitrosodi-n-propylamine   | ND     |           | ug/kg | 160 | 26. |
| Bis(2-ethylhexyl)phthalate  | ND     |           | ug/kg | 160 | 57. |
| Butyl benzyl phthalate  | ND     |           | ug/kg | 160 | 42. |
| Di-n-butylphthalate   | ND     |           | ug/kg | 160 | 31. |
| Di-n-octylphthalate   | ND     |           | ug/kg | 160 | 56. |
| Diethyl phthalate   | ND     |           | ug/kg | 160 | 15. |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 06/15/22 05:55  
Analyst: IM

Extraction Method: EPA 3546  
Extraction Date: 06/14/22 19:42

| Parameter  | Result | Qualifier | Units | RL  | MDL |
|--|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-07 Batch: WG1650568-1 |        |           |       |     |     |
| Dimethyl phthalate   | ND     |           | ug/kg | 160 | 35. |
| Benzo(a)anthracene   | ND     |           | ug/kg | 99  | 19. |
| Benzo(a)pyrene   | ND     |           | ug/kg | 130 | 40. |
| Benzo(b)fluoranthene   | ND     |           | ug/kg | 99  | 28. |
| Benzo(k)fluoranthene   | ND     |           | ug/kg | 99  | 26. |
| Chrysene   | ND     |           | ug/kg | 99  | 17. |
| Acenaphthylene   | ND     |           | ug/kg | 130 | 26. |
| Anthracene   | ND     |           | ug/kg | 99  | 32. |
| Benzo(ghi)perylene   | ND     |           | ug/kg | 130 | 19. |
| Fluorene   | ND     |           | ug/kg | 160 | 16. |
| Phenanthrene   | ND     |           | ug/kg | 99  | 20. |
| Dibenzo(a,h)anthracene   | ND     |           | ug/kg | 99  | 19. |
| Indeno(1,2,3-cd)pyrene   | ND     |           | ug/kg | 130 | 23. |
| Pyrene   | ND     |           | ug/kg | 99  | 16. |
| Biphenyl   | ND     |           | ug/kg | 380 | 22. |
| 4-Chloroaniline  | ND     |           | ug/kg | 160 | 30. |
| 2-Nitroaniline   | ND     |           | ug/kg | 160 | 32. |
| 3-Nitroaniline   | ND     |           | ug/kg | 160 | 31. |
| 4-Nitroaniline   | ND     |           | ug/kg | 160 | 68. |
| Dibenzofuran   | ND     |           | ug/kg | 160 | 16. |
| 2-Methylnaphthalene  | ND     |           | ug/kg | 200 | 20. |
| 1,2,4,5-Tetrachlorobenzene   | ND     |           | ug/kg | 160 | 17. |
| Acetophenone   | ND     |           | ug/kg | 160 | 20. |
| 2,4,6-Trichlorophenol  | ND     |           | ug/kg | 99  | 31. |
| p-Chloro-m-cresol  | ND     |           | ug/kg | 160 | 25. |
| 2-Chlorophenol   | ND     |           | ug/kg | 160 | 20. |
| 2,4-Dichlorophenol   | ND     |           | ug/kg | 150 | 26. |
| 2,4-Dimethylphenol   | ND     |           | ug/kg | 160 | 54. |
| 2-Nitrophenol  | ND     |           | ug/kg | 360 | 62. |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 06/15/22 05:55  
Analyst: IM

Extraction Method: EPA 3546  
Extraction Date: 06/14/22 19:42

| Parameter  | Result | Qualifier | Units | RL  | MDL |
|--|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-07 Batch: WG1650568-1 |        |           |       |     |     |
| 4-Nitrophenol  | ND     |           | ug/kg | 230 | 67. |
| 2,4-Dinitrophenol  | ND     |           | ug/kg | 790 | 77. |
| 4,6-Dinitro-o-cresol   | ND     |           | ug/kg | 430 | 79. |
| Pentachlorophenol  | ND     |           | ug/kg | 130 | 36. |
| Phenol   | ND     |           | ug/kg | 160 | 25. |
| 2-Methylphenol   | ND     |           | ug/kg | 160 | 26. |
| 3-Methylphenol/4-Methylphenol  | ND     |           | ug/kg | 240 | 26. |
| 2,4,5-Trichlorophenol  | ND     |           | ug/kg | 160 | 32. |
| Benzoic Acid   | ND     |           | ug/kg | 540 | 170 |
| Benzyl Alcohol   | ND     |           | ug/kg | 160 | 51. |
| Carbazole  | ND     |           | ug/kg | 160 | 16. |
| 1,4-Dioxane  | ND     |           | ug/kg | 25  | 7.6 |

| Surrogate            | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|---------------------|
| 2-Fluorophenol       | 74        |           | 25-120              |
| Phenol-d6            | 70        |           | 10-120              |
| Nitrobenzene-d5      | 63        |           | 23-120              |
| 2-Fluorobiphenyl     | 65        |           | 30-120              |
| 2,4,6-Tribromophenol | 72        |           | 10-136              |
| 4-Terphenyl-d14      | 69        |           | 18-120              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D-SIM  
Analytical Date: 06/17/22 12:44  
Analyst: DV

Extraction Method: EPA 3510C  
Extraction Date: 06/16/22 08:18

| Parameter   | Result | Qualifier | Units | RL   | MDL  |
|---|--------|-----------|-------|------|------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1651334-1 |        |           |       |      |      |
| Acenaphthene  | ND     |           | ug/l  | 0.10 | 0.01 |
| 2-Chloronaphthalene   | ND     |           | ug/l  | 0.20 | 0.02 |
| Fluoranthene  | ND     |           | ug/l  | 0.10 | 0.02 |
| Hexachlorobutadiene   | ND     |           | ug/l  | 0.50 | 0.05 |
| Naphthalene   | ND     |           | ug/l  | 0.10 | 0.05 |
| Benzo(a)anthracene  | ND     |           | ug/l  | 0.10 | 0.02 |
| Benzo(a)pyrene  | ND     |           | ug/l  | 0.10 | 0.02 |
| Benzo(b)fluoranthene  | ND     |           | ug/l  | 0.10 | 0.01 |
| Benzo(k)fluoranthene  | ND     |           | ug/l  | 0.10 | 0.01 |
| Chrysene  | ND     |           | ug/l  | 0.10 | 0.01 |
| Acenaphthylene  | ND     |           | ug/l  | 0.10 | 0.01 |
| Anthracene  | ND     |           | ug/l  | 0.10 | 0.01 |
| Benzo(ghi)perylene  | ND     |           | ug/l  | 0.10 | 0.01 |
| Fluorene  | 0.02   | J         | ug/l  | 0.10 | 0.01 |
| Phenanthrene  | 0.05   | J         | ug/l  | 0.10 | 0.02 |
| Dibenzo(a,h)anthracene  | ND     |           | ug/l  | 0.10 | 0.01 |
| Indeno(1,2,3-cd)pyrene  | ND     |           | ug/l  | 0.10 | 0.01 |
| Pyrene  | ND     |           | ug/l  | 0.10 | 0.02 |
| 2-Methylnaphthalene   | ND     |           | ug/l  | 0.10 | 0.02 |
| Pentachlorophenol   | ND     |           | ug/l  | 0.80 | 0.01 |
| Hexachlorobenzene   | ND     |           | ug/l  | 0.80 | 0.01 |
| Hexachloroethane  | ND     |           | ug/l  | 0.80 | 0.06 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D-SIM  
Analytical Date: 06/17/22 12:44  
Analyst: DV

Extraction Method: EPA 3510C  
Extraction Date: 06/16/22 08:18

| Parameter   | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|----|-----|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1651334-1 |        |           |       |    |     |

| Surrogate            | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|---------------------|
| 2-Fluorophenol       | 72        |           | 21-120              |
| Phenol-d6            | 55        |           | 10-120              |
| Nitrobenzene-d5      | 87        |           | 23-120              |
| 2-Fluorobiphenyl     | 89        |           | 15-120              |
| 2,4,6-Tribromophenol | 100       |           | 10-120              |
| 4-Terphenyl-d14      | 95        |           | 41-149              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 06/17/22 16:27  
Analyst: CMM

Extraction Method: EPA 3546  
Extraction Date: 06/17/22 03:43

| Parameter   | Result | Qualifier | Units | RL  | MDL |
|---|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1651807-1 |        |           |       |     |     |
| Acenaphthene  | ND     |           | ug/kg | 130 | 17. |
| 1,2,4-Trichlorobenzene  | ND     |           | ug/kg | 160 | 19. |
| Hexachlorobenzene   | ND     |           | ug/kg | 99  | 18. |
| Bis(2-chloroethyl)ether   | ND     |           | ug/kg | 150 | 22. |
| 2-Chloronaphthalene   | ND     |           | ug/kg | 160 | 16. |
| 1,2-Dichlorobenzene   | ND     |           | ug/kg | 160 | 30. |
| 1,3-Dichlorobenzene   | ND     |           | ug/kg | 160 | 28. |
| 1,4-Dichlorobenzene   | ND     |           | ug/kg | 160 | 29. |
| 3,3'-Dichlorobenzidine  | ND     |           | ug/kg | 160 | 44. |
| 2,4-Dinitrotoluene  | ND     |           | ug/kg | 160 | 33. |
| 2,6-Dinitrotoluene  | ND     |           | ug/kg | 160 | 28. |
| Fluoranthene  | ND     |           | ug/kg | 99  | 19. |
| 4-Chlorophenyl phenyl ether   | ND     |           | ug/kg | 160 | 18. |
| 4-Bromophenyl phenyl ether  | ND     |           | ug/kg | 160 | 25. |
| Bis(2-chloroisopropyl)ether   | ND     |           | ug/kg | 200 | 28. |
| Bis(2-chloroethoxy)methane  | ND     |           | ug/kg | 180 | 16. |
| Hexachlorobutadiene   | ND     |           | ug/kg | 160 | 24. |
| Hexachlorocyclopentadiene   | ND     |           | ug/kg | 470 | 150 |
| Hexachloroethane  | ND     |           | ug/kg | 130 | 27. |
| Isophorone  | ND     |           | ug/kg | 150 | 21. |
| Naphthalene   | ND     |           | ug/kg | 160 | 20. |
| Nitrobenzene  | ND     |           | ug/kg | 150 | 24. |
| NDPA/DPA  | ND     |           | ug/kg | 130 | 19. |
| n-Nitrosodi-n-propylamine   | ND     |           | ug/kg | 160 | 25. |
| Bis(2-ethylhexyl)phthalate  | ND     |           | ug/kg | 160 | 57. |
| Butyl benzyl phthalate  | ND     |           | ug/kg | 160 | 42. |
| Di-n-butylphthalate   | ND     |           | ug/kg | 160 | 31. |
| Di-n-octylphthalate   | ND     |           | ug/kg | 160 | 56. |
| Diethyl phthalate   | ND     |           | ug/kg | 160 | 15. |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**Method Blank Analysis  
 Batch Quality Control**

Analytical Method: 1,8270D  
 Analytical Date: 06/17/22 16:27  
 Analyst: CMM

Extraction Method: EPA 3546  
 Extraction Date: 06/17/22 03:43

| Parameter   | Result | Qualifier | Units | RL  | MDL |
|---|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1651807-1 |        |           |       |     |     |
| Dimethyl phthalate  | ND     |           | ug/kg | 160 | 35. |
| Benzo(a)anthracene  | ND     |           | ug/kg | 99  | 18. |
| Benzo(a)pyrene  | ND     |           | ug/kg | 130 | 40. |
| Benzo(b)fluoranthene  | ND     |           | ug/kg | 99  | 28. |
| Benzo(k)fluoranthene  | ND     |           | ug/kg | 99  | 26. |
| Chrysene  | ND     |           | ug/kg | 99  | 17. |
| Acenaphthylene  | ND     |           | ug/kg | 130 | 25. |
| Anthracene  | ND     |           | ug/kg | 99  | 32. |
| Benzo(ghi)perylene  | ND     |           | ug/kg | 130 | 19. |
| Fluorene  | ND     |           | ug/kg | 160 | 16. |
| Phenanthrene  | ND     |           | ug/kg | 99  | 20. |
| Dibenzo(a,h)anthracene  | ND     |           | ug/kg | 99  | 19. |
| Indeno(1,2,3-cd)pyrene  | ND     |           | ug/kg | 130 | 23. |
| Pyrene  | ND     |           | ug/kg | 99  | 16. |
| Biphenyl  | ND     |           | ug/kg | 380 | 21. |
| 4-Chloroaniline   | ND     |           | ug/kg | 160 | 30. |
| 2-Nitroaniline  | ND     |           | ug/kg | 160 | 32. |
| 3-Nitroaniline  | ND     |           | ug/kg | 160 | 31. |
| 4-Nitroaniline  | ND     |           | ug/kg | 160 | 68. |
| Dibenzofuran  | ND     |           | ug/kg | 160 | 16. |
| 2-Methylnaphthalene   | ND     |           | ug/kg | 200 | 20. |
| 1,2,4,5-Tetrachlorobenzene  | ND     |           | ug/kg | 160 | 17. |
| Acetophenone  | ND     |           | ug/kg | 160 | 20. |
| 2,4,6-Trichlorophenol   | ND     |           | ug/kg | 99  | 31. |
| p-Chloro-m-cresol   | ND     |           | ug/kg | 160 | 24. |
| 2-Chlorophenol  | ND     |           | ug/kg | 160 | 19. |
| 2,4-Dichlorophenol  | ND     |           | ug/kg | 150 | 26. |
| 2,4-Dimethylphenol  | ND     |           | ug/kg | 160 | 54. |
| 2-Nitrophenol   | ND     |           | ug/kg | 360 | 62. |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 06/17/22 16:27  
Analyst: CMM

Extraction Method: EPA 3546  
Extraction Date: 06/17/22 03:43

| Parameter   | Result | Qualifier | Units | RL  | MDL |
|---|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1651807-1 |        |           |       |     |     |
| 4-Nitrophenol   | ND     |           | ug/kg | 230 | 67. |
| 2,4-Dinitrophenol   | ND     |           | ug/kg | 790 | 77. |
| 4,6-Dinitro-o-cresol  | ND     |           | ug/kg | 430 | 79. |
| Pentachlorophenol   | ND     |           | ug/kg | 130 | 36. |
| Phenol  | ND     |           | ug/kg | 160 | 25. |
| 2-Methylphenol  | ND     |           | ug/kg | 160 | 26. |
| 3-Methylphenol/4-Methylphenol   | ND     |           | ug/kg | 240 | 26. |
| 2,4,5-Trichlorophenol   | ND     |           | ug/kg | 160 | 32. |
| Benzoic Acid  | ND     |           | ug/kg | 530 | 170 |
| Benzyl Alcohol  | ND     |           | ug/kg | 160 | 50. |
| Carbazole   | ND     |           | ug/kg | 160 | 16. |
| 1,4-Dioxane   | ND     |           | ug/kg | 25  | 7.6 |

| Surrogate            | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|---------------------|
| 2-Fluorophenol       | 68        |           | 25-120              |
| Phenol-d6            | 68        |           | 10-120              |
| Nitrobenzene-d5      | 66        |           | 23-120              |
| 2-Fluorobiphenyl     | 71        |           | 30-120              |
| 2,4,6-Tribromophenol | 84        |           | 10-136              |
| 4-Terphenyl-d14      | 78        |           | 18-120              |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D-SIM  
Analytical Date: 06/20/22 11:57  
Analyst: DB

Extraction Method: EPA 3510C  
Extraction Date: 06/17/22 17:00

| Parameter   | Result | Qualifier | Units | RL  | MDL  |
|---|--------|-----------|-------|-----|------|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 01 Batch: WG1652160-1 |        |           |       |     |      |
| 1,4-Dioxane   | ND     |           | ng/l  | 150 | 33.9 |

| Surrogate      | %Recovery | Qualifier | Acceptance<br>Criteria |
|----------------|-----------|-----------|------------------------|
| 1,4-Dioxane-d8 | 44        |           | 15-110                 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 06/19/22 13:41  
 Analyst: CMM

Extraction Method: EPA 3510C  
 Extraction Date: 06/18/22 03:29

| Parameter  | Result | Qualifier | Units | RL  | MDL  |
|--|--------|-----------|-------|-----|------|
| Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1652319-1 |        |           |       |     |      |
| Acenaphthene   | ND     |           | ug/l  | 2.0 | 0.44 |
| 1,2,4-Trichlorobenzene   | ND     |           | ug/l  | 5.0 | 0.50 |
| Hexachlorobenzene  | ND     |           | ug/l  | 2.0 | 0.46 |
| Bis(2-chloroethyl)ether  | ND     |           | ug/l  | 2.0 | 0.50 |
| 2-Chloronaphthalene  | ND     |           | ug/l  | 2.0 | 0.44 |
| 1,2-Dichlorobenzene  | ND     |           | ug/l  | 2.0 | 0.45 |
| 1,3-Dichlorobenzene  | ND     |           | ug/l  | 2.0 | 0.40 |
| 1,4-Dichlorobenzene  | ND     |           | ug/l  | 2.0 | 0.43 |
| 3,3'-Dichlorobenzidine   | ND     |           | ug/l  | 5.0 | 1.6  |
| 2,4-Dinitrotoluene   | ND     |           | ug/l  | 5.0 | 1.2  |
| 2,6-Dinitrotoluene   | ND     |           | ug/l  | 5.0 | 0.93 |
| Fluoranthene   | ND     |           | ug/l  | 2.0 | 0.26 |
| 4-Chlorophenyl phenyl ether  | ND     |           | ug/l  | 2.0 | 0.49 |
| 4-Bromophenyl phenyl ether   | ND     |           | ug/l  | 2.0 | 0.38 |
| Bis(2-chloroisopropyl)ether  | ND     |           | ug/l  | 2.0 | 0.53 |
| Bis(2-chloroethoxy)methane   | ND     |           | ug/l  | 5.0 | 0.50 |
| Hexachlorobutadiene  | ND     |           | ug/l  | 2.0 | 0.66 |
| Hexachlorocyclopentadiene  | ND     |           | ug/l  | 20  | 0.69 |
| Hexachloroethane   | ND     |           | ug/l  | 2.0 | 0.58 |
| Isophorone   | ND     |           | ug/l  | 5.0 | 1.2  |
| Naphthalene  | ND     |           | ug/l  | 2.0 | 0.46 |
| Nitrobenzene   | ND     |           | ug/l  | 2.0 | 0.77 |
| NDPA/DPA   | ND     |           | ug/l  | 2.0 | 0.42 |
| n-Nitrosodi-n-propylamine  | ND     |           | ug/l  | 5.0 | 0.64 |
| Bis(2-ethylhexyl)phthalate   | ND     |           | ug/l  | 3.0 | 1.5  |
| Butyl benzyl phthalate   | ND     |           | ug/l  | 5.0 | 1.2  |
| Di-n-butylphthalate  | ND     |           | ug/l  | 5.0 | 0.39 |
| Di-n-octylphthalate  | ND     |           | ug/l  | 5.0 | 1.3  |
| Diethyl phthalate  | ND     |           | ug/l  | 5.0 | 0.38 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 06/19/22 13:41  
Analyst: CMM

Extraction Method: EPA 3510C  
Extraction Date: 06/18/22 03:29

| Parameter   | Result | Qualifier | Units | RL  | MDL  |
|---|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1652319-1 |        |           |       |     |      |
| Dimethyl phthalate  | ND     |           | ug/l  | 5.0 | 1.8  |
| Benzo(a)anthracene  | ND     |           | ug/l  | 2.0 | 0.32 |
| Benzo(a)pyrene  | ND     |           | ug/l  | 2.0 | 0.41 |
| Benzo(b)fluoranthene  | ND     |           | ug/l  | 2.0 | 0.35 |
| Benzo(k)fluoranthene  | ND     |           | ug/l  | 2.0 | 0.37 |
| Chrysene  | ND     |           | ug/l  | 2.0 | 0.34 |
| Acenaphthylene  | ND     |           | ug/l  | 2.0 | 0.46 |
| Anthracene  | ND     |           | ug/l  | 2.0 | 0.33 |
| Benzo(ghi)perylene  | ND     |           | ug/l  | 2.0 | 0.30 |
| Fluorene  | ND     |           | ug/l  | 2.0 | 0.41 |
| Phenanthrene  | ND     |           | ug/l  | 2.0 | 0.33 |
| Dibenzo(a,h)anthracene  | ND     |           | ug/l  | 2.0 | 0.32 |
| Indeno(1,2,3-cd)pyrene  | ND     |           | ug/l  | 2.0 | 0.40 |
| Pyrene  | ND     |           | ug/l  | 2.0 | 0.28 |
| Biphenyl  | ND     |           | ug/l  | 2.0 | 0.46 |
| 4-Chloroaniline   | ND     |           | ug/l  | 5.0 | 1.1  |
| 2-Nitroaniline  | ND     |           | ug/l  | 5.0 | 0.50 |
| 3-Nitroaniline  | ND     |           | ug/l  | 5.0 | 0.81 |
| 4-Nitroaniline  | ND     |           | ug/l  | 5.0 | 0.80 |
| Dibenzofuran  | ND     |           | ug/l  | 2.0 | 0.50 |
| 2-Methylnaphthalene   | ND     |           | ug/l  | 2.0 | 0.45 |
| 1,2,4,5-Tetrachlorobenzene  | ND     |           | ug/l  | 10  | 0.44 |
| Acetophenone  | ND     |           | ug/l  | 5.0 | 0.53 |
| 2,4,6-Trichlorophenol   | ND     |           | ug/l  | 5.0 | 0.61 |
| p-Chloro-m-cresol   | ND     |           | ug/l  | 2.0 | 0.35 |
| 2-Chlorophenol  | ND     |           | ug/l  | 2.0 | 0.48 |
| 2,4-Dichlorophenol  | ND     |           | ug/l  | 5.0 | 0.41 |
| 2,4-Dimethylphenol  | ND     |           | ug/l  | 5.0 | 1.8  |
| 2-Nitrophenol   | ND     |           | ug/l  | 10  | 0.85 |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 06/19/22 13:41  
Analyst: CMM

Extraction Method: EPA 3510C  
Extraction Date: 06/18/22 03:29

| Parameter   | Result | Qualifier | Units | RL  | MDL  |
|---|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1652319-1 |        |           |       |     |      |
| 4-Nitrophenol   | ND     |           | ug/l  | 10  | 0.67 |
| 2,4-Dinitrophenol   | ND     |           | ug/l  | 20  | 6.6  |
| 4,6-Dinitro-o-cresol  | ND     |           | ug/l  | 10  | 1.8  |
| Pentachlorophenol   | ND     |           | ug/l  | 10  | 1.8  |
| Phenol  | 1.6    | J         | ug/l  | 5.0 | 0.57 |
| 2-Methylphenol  | ND     |           | ug/l  | 5.0 | 0.49 |
| 3-Methylphenol/4-Methylphenol   | ND     |           | ug/l  | 5.0 | 0.48 |
| 2,4,5-Trichlorophenol   | ND     |           | ug/l  | 5.0 | 0.77 |
| Benzoic Acid  | ND     |           | ug/l  | 50  | 2.6  |
| Benzyl Alcohol  | ND     |           | ug/l  | 2.0 | 0.59 |
| Carbazole   | ND     |           | ug/l  | 2.0 | 0.49 |

| Surrogate            | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|---------------------|
| 2-Fluorophenol       | 61        |           | 21-120              |
| Phenol-d6            | 42        |           | 10-120              |
| Nitrobenzene-d5      | 84        |           | 23-120              |
| 2-Fluorobiphenyl     | 86        |           | 15-120              |
| 2,4,6-Tribromophenol | 96        |           | 10-120              |
| 4-Terphenyl-d14      | 96        |           | 41-149              |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-07 Batch: WG1650568-2 WG1650568-3 |                  |      |                   |      |                     |     |      |               |
| Acenaphthene  | 43               |      | 54                |      | 31-137              | 23  |      | 50            |
| 1,2,4-Trichlorobenzene  | 47               |      | 60                |      | 38-107              | 24  |      | 50            |
| Hexachlorobenzene   | 46               |      | 54                |      | 40-140              | 16  |      | 50            |
| Bis(2-chloroethyl)ether   | 48               |      | 56                |      | 40-140              | 15  |      | 50            |
| 2-Chloronaphthalene   | 47               |      | 58                |      | 40-140              | 21  |      | 50            |
| 1,2-Dichlorobenzene   | 45               |      | 59                |      | 40-140              | 27  |      | 50            |
| 1,3-Dichlorobenzene   | 44               |      | 55                |      | 40-140              | 22  |      | 50            |
| 1,4-Dichlorobenzene   | 45               |      | 57                |      | 28-104              | 24  |      | 50            |
| 3,3'-Dichlorobenzidine  | 37               | Q    | 48                |      | 40-140              | 26  |      | 50            |
| 2,4-Dinitrotoluene  | 48               |      | 59                |      | 40-132              | 21  |      | 50            |
| 2,6-Dinitrotoluene  | 50               |      | 65                |      | 40-140              | 26  |      | 50            |
| Fluoranthene  | 47               |      | 62                |      | 40-140              | 28  |      | 50            |
| 4-Chlorophenyl phenyl ether   | 47               |      | 57                |      | 40-140              | 19  |      | 50            |
| 4-Bromophenyl phenyl ether  | 44               |      | 55                |      | 40-140              | 22  |      | 50            |
| Bis(2-chloroisopropyl)ether   | 48               |      | 64                |      | 40-140              | 29  |      | 50            |
| Bis(2-chloroethoxy)methane  | 42               |      | 56                |      | 40-117              | 29  |      | 50            |
| Hexachlorobutadiene   | 44               |      | 59                |      | 40-140              | 29  |      | 50            |
| Hexachlorocyclopentadiene   | 34               | Q    | 46                |      | 40-140              | 30  |      | 50            |
| Hexachloroethane  | 43               |      | 57                |      | 40-140              | 28  |      | 50            |
| Isophorone  | 42               |      | 54                |      | 40-140              | 25  |      | 50            |
| Naphthalene   | 45               |      | 58                |      | 40-140              | 25  |      | 50            |
| Nitrobenzene  | 42               |      | 57                |      | 40-140              | 30  |      | 50            |
| NDPA/DPA  | 47               |      | 56                |      | 36-157              | 17  |      | 50            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-07 Batch: WG1650568-2 WG1650568-3 |                  |      |                   |      |                     |     |      |               |
| n-Nitrosodi-n-propylamine   | 41               |      | 54                |      | 32-121              | 27  |      | 50            |
| Bis(2-ethylhexyl)phthalate  | 46               |      | 58                |      | 40-140              | 23  |      | 50            |
| Butyl benzyl phthalate  | 48               |      | 63                |      | 40-140              | 27  |      | 50            |
| Di-n-butylphthalate   | 45               |      | 61                |      | 40-140              | 30  |      | 50            |
| Di-n-octylphthalate   | 49               |      | 53                |      | 40-140              | 8   |      | 50            |
| Diethyl phthalate   | 45               |      | 57                |      | 40-140              | 24  |      | 50            |
| Dimethyl phthalate  | 47               |      | 59                |      | 40-140              | 23  |      | 50            |
| Benzo(a)anthracene  | 47               |      | 60                |      | 40-140              | 24  |      | 50            |
| Benzo(a)pyrene  | 54               |      | 57                |      | 40-140              | 5   |      | 50            |
| Benzo(b)fluoranthene  | 49               |      | 52                |      | 40-140              | 6   |      | 50            |
| Benzo(k)fluoranthene  | 54               |      | 57                |      | 40-140              | 5   |      | 50            |
| Chrysene  | 46               |      | 59                |      | 40-140              | 25  |      | 50            |
| Acenaphthylene  | 48               |      | 62                |      | 40-140              | 25  |      | 50            |
| Anthracene  | 45               |      | 58                |      | 40-140              | 25  |      | 50            |
| Benzo(ghi)perylene  | 45               |      | 64                |      | 40-140              | 35  |      | 50            |
| Fluorene  | 45               |      | 57                |      | 40-140              | 24  |      | 50            |
| Phenanthrene  | 46               |      | 56                |      | 40-140              | 20  |      | 50            |
| Dibenzo(a,h)anthracene  | 46               |      | 62                |      | 40-140              | 30  |      | 50            |
| Indeno(1,2,3-cd)pyrene  | 49               |      | 65                |      | 40-140              | 28  |      | 50            |
| Pyrene  | 47               |      | 64                |      | 35-142              | 31  |      | 50            |
| Biphenyl  | 45               |      | 58                |      | 37-127              | 25  |      | 50            |
| 4-Chloroaniline   | 42               |      | 50                |      | 40-140              | 17  |      | 50            |
| 2-Nitroaniline  | 49               |      | 58                |      | 47-134              | 17  |      | 50            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-07 Batch: WG1650568-2 WG1650568-3 |                  |      |                   |      |                     |     |      |               |
| 3-Nitroaniline  | 42               |      | 53                |      | 26-129              | 23  |      | 50            |
| 4-Nitroaniline  | 47               |      | 59                |      | 41-125              | 23  |      | 50            |
| Dibenzofuran  | 46               |      | 58                |      | 40-140              | 23  |      | 50            |
| 2-Methylnaphthalene   | 46               |      | 58                |      | 40-140              | 23  |      | 50            |
| 1,2,4,5-Tetrachlorobenzene  | 47               |      | 59                |      | 40-117              | 23  |      | 50            |
| Acetophenone  | 44               |      | 55                |      | 14-144              | 22  |      | 50            |
| 2,4,6-Trichlorophenol   | 49               |      | 62                |      | 30-130              | 23  |      | 50            |
| p-Chloro-m-cresol   | 45               |      | 57                |      | 26-103              | 24  |      | 50            |
| 2-Chlorophenol  | 51               |      | 61                |      | 25-102              | 18  |      | 50            |
| 2,4-Dichlorophenol  | 50               |      | 60                |      | 30-130              | 18  |      | 50            |
| 2,4-Dimethylphenol  | 47               |      | 57                |      | 30-130              | 19  |      | 50            |
| 2-Nitrophenol   | 48               |      | 61                |      | 30-130              | 24  |      | 50            |
| 4-Nitrophenol   | 48               |      | 59                |      | 11-114              | 21  |      | 50            |
| 2,4-Dinitrophenol   | 12               |      | 17                |      | 4-130               | 34  |      | 50            |
| 4,6-Dinitro-o-cresol  | 46               |      | 57                |      | 10-130              | 21  |      | 50            |
| Pentachlorophenol   | 43               |      | 50                |      | 17-109              | 15  |      | 50            |
| Phenol  | 51               |      | 59                |      | 26-90               | 15  |      | 50            |
| 2-Methylphenol  | 49               |      | 60                |      | 30-130              | 20  |      | 50            |
| 3-Methylphenol/4-Methylphenol   | 48               |      | 61                |      | 30-130              | 24  |      | 50            |
| 2,4,5-Trichlorophenol   | 52               |      | 63                |      | 30-130              | 19  |      | 50            |
| Benzoic Acid  | 0                | Q    | 0                 | Q    | 10-110              | NC  |      | 50            |
| Benzyl Alcohol  | 46               |      | 62                |      | 40-140              | 30  |      | 50            |
| Carbazole   | 46               | Q    | 57                |      | 54-128              | 21  |      | 50            |



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-07 Batch: WG1650568-2 WG1650568-3 |                  |      |                   |      |                     |     |      |               |
| 1,4-Dioxane   | 37               | Q    | 40                |      | 40-140              | 8   |      | 50            |

| Surrogate            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol       | 60               |      | 57                |      | 25-120                 |
| Phenol-d6            | 52               |      | 60                |      | 10-120                 |
| Nitrobenzene-d5      | 45               |      | 58                |      | 23-120                 |
| 2-Fluorobiphenyl     | 47               |      | 57                |      | 30-120                 |
| 2,4,6-Tribromophenol | 49               |      | 60                |      | 10-136                 |
| 4-Terphenyl-d14      | 48               |      | 63                |      | 18-120                 |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1651334-2 WG1651334-3 |                  |      |                   |      |                     |     |      |               |
| Acenaphthene   | 85               |      | 80                |      | 40-140              | 6   |      | 40            |
| 2-Chloronaphthalene  | 84               |      | 79                |      | 40-140              | 6   |      | 40            |
| Fluoranthene   | 91               |      | 83                |      | 40-140              | 9   |      | 40            |
| Hexachlorobutadiene  | 88               |      | 82                |      | 40-140              | 7   |      | 40            |
| Naphthalene  | 86               |      | 81                |      | 40-140              | 6   |      | 40            |
| Benzo(a)anthracene   | 88               |      | 83                |      | 40-140              | 6   |      | 40            |
| Benzo(a)pyrene   | 93               |      | 84                |      | 40-140              | 10  |      | 40            |
| Benzo(b)fluoranthene   | 99               |      | 89                |      | 40-140              | 11  |      | 40            |
| Benzo(k)fluoranthene   | 99               |      | 95                |      | 40-140              | 4   |      | 40            |
| Chrysene   | 90               |      | 83                |      | 40-140              | 8   |      | 40            |
| Acenaphthylene   | 85               |      | 79                |      | 40-140              | 7   |      | 40            |
| Anthracene   | 88               |      | 82                |      | 40-140              | 7   |      | 40            |
| Benzo(ghi)perylene   | 100              |      | 92                |      | 40-140              | 8   |      | 40            |
| Fluorene   | 90               |      | 85                |      | 40-140              | 6   |      | 40            |
| Phenanthrene   | 87               |      | 82                |      | 40-140              | 6   |      | 40            |
| Dibenzo(a,h)anthracene   | 104              |      | 95                |      | 40-140              | 9   |      | 40            |
| Indeno(1,2,3-cd)pyrene   | 100              |      | 93                |      | 40-140              | 7   |      | 40            |
| Pyrene   | 90               |      | 82                |      | 40-140              | 9   |      | 40            |
| 2-Methylnaphthalene  | 80               |      | 76                |      | 40-140              | 5   |      | 40            |
| Pentachlorophenol  | 89               |      | 79                |      | 40-140              | 12  |      | 40            |
| Hexachlorobenzene  | 84               |      | 79                |      | 40-140              | 6   |      | 40            |
| Hexachloroethane   | 82               |      | 77                |      | 40-140              | 6   |      | 40            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

| Parameter | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
|-----------|------------------|------|-------------------|------|---------------------|-----|------|---------------|

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1651334-2 WG1651334-3

| Surrogate            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol       | 70               |      | 67                |      | 21-120                 |
| Phenol-d6            | 54               |      | 53                |      | 10-120                 |
| Nitrobenzene-d5      | 86               |      | 81                |      | 23-120                 |
| 2-Fluorobiphenyl     | 84               |      | 80                |      | 15-120                 |
| 2,4,6-Tribromophenol | 94               |      | 93                |      | 10-120                 |
| 4-Terphenyl-d14      | 90               |      | 83                |      | 41-149                 |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1651807-2 WG1651807-3 |                  |      |                   |      |                     |     |      |               |
| Acenaphthene   | 81               |      | 76                |      | 31-137              | 6   |      | 50            |
| 1,2,4-Trichlorobenzene   | 79               |      | 77                |      | 38-107              | 3   |      | 50            |
| Hexachlorobenzene  | 91               |      | 84                |      | 40-140              | 8   |      | 50            |
| Bis(2-chloroethyl)ether  | 79               |      | 75                |      | 40-140              | 5   |      | 50            |
| 2-Chloronaphthalene  | 87               |      | 82                |      | 40-140              | 6   |      | 50            |
| 1,2-Dichlorobenzene  | 77               |      | 72                |      | 40-140              | 7   |      | 50            |
| 1,3-Dichlorobenzene  | 73               |      | 71                |      | 40-140              | 3   |      | 50            |
| 1,4-Dichlorobenzene  | 75               |      | 73                |      | 28-104              | 3   |      | 50            |
| 3,3'-Dichlorobenzidine   | 80               |      | 73                |      | 40-140              | 9   |      | 50            |
| 2,4-Dinitrotoluene   | 90               |      | 83                |      | 40-132              | 8   |      | 50            |
| 2,6-Dinitrotoluene   | 95               |      | 88                |      | 40-140              | 8   |      | 50            |
| Fluoranthene   | 88               |      | 78                |      | 40-140              | 12  |      | 50            |
| 4-Chlorophenyl phenyl ether  | 87               |      | 79                |      | 40-140              | 10  |      | 50            |
| 4-Bromophenyl phenyl ether   | 88               |      | 82                |      | 40-140              | 7   |      | 50            |
| Bis(2-chloroisopropyl)ether  | 80               |      | 79                |      | 40-140              | 1   |      | 50            |
| Bis(2-chloroethoxy)methane   | 82               |      | 79                |      | 40-117              | 4   |      | 50            |
| Hexachlorobutadiene  | 77               |      | 75                |      | 40-140              | 3   |      | 50            |
| Hexachlorocyclopentadiene  | 66               |      | 64                |      | 40-140              | 3   |      | 50            |
| Hexachloroethane   | 74               |      | 70                |      | 40-140              | 6   |      | 50            |
| Isophorone   | 79               |      | 74                |      | 40-140              | 7   |      | 50            |
| Naphthalene  | 78               |      | 76                |      | 40-140              | 3   |      | 50            |
| Nitrobenzene   | 74               |      | 72                |      | 40-140              | 3   |      | 50            |
| NDPA/DPA   | 89               |      | 81                |      | 36-157              | 9   |      | 50            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1651807-2 WG1651807-3 |                  |      |                   |      |                     |     |      |               |
| n-Nitrosodi-n-propylamine  | 76               |      | 71                |      | 32-121              | 7   |      | 50            |
| Bis(2-ethylhexyl)phthalate   | 90               |      | 83                |      | 40-140              | 8   |      | 50            |
| Butyl benzyl phthalate   | 90               |      | 79                |      | 40-140              | 13  |      | 50            |
| Di-n-butylphthalate  | 91               |      | 83                |      | 40-140              | 9   |      | 50            |
| Di-n-octylphthalate  | 90               |      | 82                |      | 40-140              | 9   |      | 50            |
| Diethyl phthalate  | 90               |      | 83                |      | 40-140              | 8   |      | 50            |
| Dimethyl phthalate   | 92               |      | 85                |      | 40-140              | 8   |      | 50            |
| Benzo(a)anthracene   | 92               |      | 81                |      | 40-140              | 13  |      | 50            |
| Benzo(a)pyrene   | 88               |      | 80                |      | 40-140              | 10  |      | 50            |
| Benzo(b)fluoranthene   | 86               |      | 75                |      | 40-140              | 14  |      | 50            |
| Benzo(k)fluoranthene   | 91               |      | 84                |      | 40-140              | 8   |      | 50            |
| Chrysene   | 89               |      | 80                |      | 40-140              | 11  |      | 50            |
| Acenaphthylene   | 88               |      | 82                |      | 40-140              | 7   |      | 50            |
| Anthracene   | 88               |      | 78                |      | 40-140              | 12  |      | 50            |
| Benzo(ghi)perylene   | 90               |      | 81                |      | 40-140              | 11  |      | 50            |
| Fluorene   | 87               |      | 81                |      | 40-140              | 7   |      | 50            |
| Phenanthrene   | 87               |      | 77                |      | 40-140              | 12  |      | 50            |
| Dibenzo(a,h)anthracene   | 90               |      | 82                |      | 40-140              | 9   |      | 50            |
| Indeno(1,2,3-cd)pyrene   | 95               |      | 86                |      | 40-140              | 10  |      | 50            |
| Pyrene   | 89               |      | 80                |      | 35-142              | 11  |      | 50            |
| Biphenyl   | 87               |      | 82                |      | 37-127              | 6   |      | 50            |
| 4-Chloroaniline  | 73               |      | 71                |      | 40-140              | 3   |      | 50            |
| 2-Nitroaniline   | 96               |      | 87                |      | 47-134              | 10  |      | 50            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1651807-2 WG1651807-3 |                  |      |                   |      |                     |     |      |               |
| 3-Nitroaniline   | 80               |      | 75                |      | 26-129              | 6   |      | 50            |
| 4-Nitroaniline   | 88               |      | 82                |      | 41-125              | 7   |      | 50            |
| Dibenzofuran   | 86               |      | 80                |      | 40-140              | 7   |      | 50            |
| 2-Methylnaphthalene  | 84               |      | 82                |      | 40-140              | 2   |      | 50            |
| 1,2,4,5-Tetrachlorobenzene   | 88               |      | 83                |      | 40-117              | 6   |      | 50            |
| Acetophenone   | 76               |      | 73                |      | 14-144              | 4   |      | 50            |
| 2,4,6-Trichlorophenol  | 96               |      | 89                |      | 30-130              | 8   |      | 50            |
| p-Chloro-m-cresol  | 89               |      | 83                |      | 26-103              | 7   |      | 50            |
| 2-Chlorophenol   | 86               |      | 83                |      | 25-102              | 4   |      | 50            |
| 2,4-Dichlorophenol   | 90               |      | 86                |      | 30-130              | 5   |      | 50            |
| 2,4-Dimethylphenol   | 89               |      | 82                |      | 30-130              | 8   |      | 50            |
| 2-Nitrophenol  | 90               |      | 83                |      | 30-130              | 8   |      | 50            |
| 4-Nitrophenol  | 86               |      | 78                |      | 11-114              | 10  |      | 50            |
| 2,4-Dinitrophenol  | 86               |      | 78                |      | 4-130               | 10  |      | 50            |
| 4,6-Dinitro-o-cresol   | 101              |      | 92                |      | 10-130              | 9   |      | 50            |
| Pentachlorophenol  | 93               |      | 82                |      | 17-109              | 13  |      | 50            |
| Phenol   | 89               |      | 84                |      | 26-90               | 6   |      | 50            |
| 2-Methylphenol   | 86               |      | 81                |      | 30-130.             | 6   |      | 50            |
| 3-Methylphenol/4-Methylphenol  | 97               |      | 90                |      | 30-130              | 7   |      | 50            |
| 2,4,5-Trichlorophenol  | 99               |      | 92                |      | 30-130              | 7   |      | 50            |
| Benzoic Acid   | 65               |      | 55                |      | 10-110              | 17  |      | 50            |
| Benzyl Alcohol   | 83               |      | 80                |      | 40-140              | 4   |      | 50            |
| Carbazole  | 89               |      | 80                |      | 54-128              | 11  |      | 50            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1651807-2 WG1651807-3 |                  |      |                   |      |                     |     |      |               |
| 1,4-Dioxane  | 53               |      | 53                |      | 40-140              | 0   |      | 50            |

| Surrogate            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol       | 87               |      | 87                |      | 25-120                 |
| Phenol-d6            | 90               |      | 84                |      | 10-120                 |
| Nitrobenzene-d5      | 77               |      | 75                |      | 23-120                 |
| 2-Fluorobiphenyl     | 86               |      | 82                |      | 30-120                 |
| 2,4,6-Tribromophenol | 101              |      | 92                |      | 10-136                 |
| 4-Terphenyl-d14      | 92               |      | 81                |      | 18-120                 |

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 01 Batch: WG1652160-2 WG1652160-3 |                  |      |                   |      |                     |     |      |               |
| 1,4-Dioxane  | 117              |      | 121               |      | 40-140              | 3   |      | 30            |

| Surrogate      | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|----------------|------------------|------|-------------------|------|------------------------|
| 1,4-Dioxane-d8 | 40               |      | 42                |      | 15-110                 |



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1652319-2 WG1652319-3 |                  |      |                   |      |                     |     |      |               |
| Acenaphthene   | 82               |      | 76                |      | 37-111              | 8   |      | 30            |
| 1,2,4-Trichlorobenzene   | 86               |      | 78                |      | 39-98               | 10  |      | 30            |
| Hexachlorobenzene  | 88               |      | 77                |      | 40-140              | 13  |      | 30            |
| Bis(2-chloroethyl)ether  | 82               |      | 78                |      | 40-140              | 5   |      | 30            |
| 2-Chloronaphthalene  | 84               |      | 78                |      | 40-140              | 7   |      | 30            |
| 1,2-Dichlorobenzene  | 79               |      | 73                |      | 40-140              | 8   |      | 30            |
| 1,3-Dichlorobenzene  | 80               |      | 74                |      | 40-140              | 8   |      | 30            |
| 1,4-Dichlorobenzene  | 77               |      | 72                |      | 36-97               | 7   |      | 30            |
| 3,3'-Dichlorobenzidine   | 74               |      | 69                |      | 40-140              | 7   |      | 30            |
| 2,4-Dinitrotoluene   | 87               |      | 78                |      | 48-143              | 11  |      | 30            |
| 2,6-Dinitrotoluene   | 91               |      | 85                |      | 40-140              | 7   |      | 30            |
| Fluoranthene   | 90               |      | 78                |      | 40-140              | 14  |      | 30            |
| 4-Chlorophenyl phenyl ether  | 87               |      | 80                |      | 40-140              | 8   |      | 30            |
| 4-Bromophenyl phenyl ether   | 87               |      | 80                |      | 40-140              | 8   |      | 30            |
| Bis(2-chloroisopropyl)ether  | 83               |      | 75                |      | 40-140              | 10  |      | 30            |
| Bis(2-chloroethoxy)methane   | 87               |      | 81                |      | 40-140              | 7   |      | 30            |
| Hexachlorobutadiene  | 81               |      | 78                |      | 40-140              | 4   |      | 30            |
| Hexachlorocyclopentadiene  | 84               |      | 82                |      | 40-140              | 2   |      | 30            |
| Hexachloroethane   | 83               |      | 75                |      | 40-140              | 10  |      | 30            |
| Isophorone   | 81               |      | 72                |      | 40-140              | 12  |      | 30            |
| Naphthalene  | 82               |      | 78                |      | 40-140              | 5   |      | 30            |
| Nitrobenzene   | 87               |      | 79                |      | 40-140              | 10  |      | 30            |
| NDPA/DPA   | 90               |      | 80                |      | 40-140              | 12  |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1652319-2 WG1652319-3 |                  |      |                   |      |                     |     |      |               |
| n-Nitrosodi-n-propylamine  | 88               |      | 78                |      | 29-132              | 12  |      | 30            |
| Bis(2-ethylhexyl)phthalate   | 103              |      | 92                |      | 40-140              | 11  |      | 30            |
| Butyl benzyl phthalate   | 104              |      | 93                |      | 40-140              | 11  |      | 30            |
| Di-n-butylphthalate  | 92               |      | 80                |      | 40-140              | 14  |      | 30            |
| Di-n-octylphthalate  | 98               |      | 87                |      | 40-140              | 12  |      | 30            |
| Diethyl phthalate  | 90               |      | 79                |      | 40-140              | 13  |      | 30            |
| Dimethyl phthalate   | 89               |      | 80                |      | 40-140              | 11  |      | 30            |
| Benzo(a)anthracene   | 87               |      | 79                |      | 40-140              | 10  |      | 30            |
| Benzo(a)pyrene   | 95               |      | 85                |      | 40-140              | 11  |      | 30            |
| Benzo(b)fluoranthene   | 94               |      | 80                |      | 40-140              | 16  |      | 30            |
| Benzo(k)fluoranthene   | 91               |      | 83                |      | 40-140              | 9   |      | 30            |
| Chrysene   | 87               |      | 79                |      | 40-140              | 10  |      | 30            |
| Acenaphthylene   | 87               |      | 79                |      | 45-123              | 10  |      | 30            |
| Anthracene   | 88               |      | 80                |      | 40-140              | 10  |      | 30            |
| Benzo(ghi)perylene   | 87               |      | 77                |      | 40-140              | 12  |      | 30            |
| Fluorene   | 88               |      | 80                |      | 40-140              | 10  |      | 30            |
| Phenanthrene   | 86               |      | 78                |      | 40-140              | 10  |      | 30            |
| Dibenzo(a,h)anthracene   | 88               |      | 79                |      | 40-140              | 11  |      | 30            |
| Indeno(1,2,3-cd)pyrene   | 93               |      | 84                |      | 40-140              | 10  |      | 30            |
| Pyrene   | 88               |      | 78                |      | 26-127              | 12  |      | 30            |
| Biphenyl   | 97               |      | 92                |      | 40-140              | 5   |      | 30            |
| 4-Chloroaniline  | 88               |      | 85                |      | 40-140              | 3   |      | 30            |
| 2-Nitroaniline   | 86               |      | 80                |      | 52-143              | 7   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1652319-2 WG1652319-3 |                  |      |                   |      |                     |     |      |               |
| 3-Nitroaniline   | 82               |      | 80                |      | 25-145              | 2   |      | 30            |
| 4-Nitroaniline   | 86               |      | 76                |      | 51-143              | 12  |      | 30            |
| Dibenzofuran   | 85               |      | 78                |      | 40-140              | 9   |      | 30            |
| 2-Methylnaphthalene  | 86               |      | 82                |      | 40-140              | 5   |      | 30            |
| 1,2,4,5-Tetrachlorobenzene   | 101              |      | 93                |      | 2-134               | 8   |      | 30            |
| Acetophenone   | 94               |      | 86                |      | 39-129              | 9   |      | 30            |
| 2,4,6-Trichlorophenol  | 90               |      | 83                |      | 30-130              | 8   |      | 30            |
| p-Chloro-m-cresol  | 85               |      | 76                |      | 23-97               | 11  |      | 30            |
| 2-Chlorophenol   | 81               |      | 72                |      | 27-123              | 12  |      | 30            |
| 2,4-Dichlorophenol   | 87               |      | 80                |      | 30-130              | 8   |      | 30            |
| 2,4-Dimethylphenol   | 84               |      | 74                |      | 30-130              | 13  |      | 30            |
| 2-Nitrophenol  | 93               |      | 86                |      | 30-130              | 8   |      | 30            |
| 4-Nitrophenol  | 63               |      | 51                |      | 10-80               | 21  |      | 30            |
| 2,4-Dinitrophenol  | 88               |      | 68                |      | 20-130              | 26  |      | 30            |
| 4,6-Dinitro-o-cresol   | 91               |      | 80                |      | 20-164              | 13  |      | 30            |
| Pentachlorophenol  | 84               |      | 72                |      | 9-103               | 15  |      | 30            |
| Phenol   | 54               |      | 56                |      | 12-110              | 4   |      | 30            |
| 2-Methylphenol   | 78               |      | 66                |      | 30-130              | 17  |      | 30            |
| 3-Methylphenol/4-Methylphenol  | 72               |      | 67                |      | 30-130              | 7   |      | 30            |
| 2,4,5-Trichlorophenol  | 93               |      | 82                |      | 30-130              | 13  |      | 30            |
| Benzoic Acid   | 67               |      | 56                |      | 10-164              | 18  |      | 30            |
| Benzyl Alcohol   | 81               |      | 68                |      | 26-116              | 17  |      | 30            |
| Carbazole  | 89               |      | 80                |      | 55-144              | 11  |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

| Parameter | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
|-----------|------------------|------|-------------------|------|---------------------|-----|------|---------------|

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1652319-2 WG1652319-3

| Surrogate            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol       | 62               |      | 57                |      | 21-120                 |
| Phenol-d6            | 49               |      | 42                |      | 10-120                 |
| Nitrobenzene-d5      | 85               |      | 76                |      | 23-120                 |
| 2-Fluorobiphenyl     | 82               |      | 74                |      | 15-120                 |
| 2,4,6-Tribromophenol | 101              |      | 85                |      | 10-120                 |
| 4-Terphenyl-d14      | 88               |      | 79                |      | 41-149                 |

# PCBS

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-01  
**Client ID:** FB\_061322  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 09:00  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8082A  
**Analytical Date:** 06/15/22 23:10  
**Analyst:** WR

**Extraction Method:** EPA 3510C  
**Extraction Date:** 06/14/22 20:10  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 06/15/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 06/15/22

| Parameter  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| <b>Polychlorinated Biphenyls by GC - Westborough Lab</b> |        |           |       |       |       |                 |        |
| Aroclor 1016   | ND     |           | ug/l  | 0.071 | 0.061 | 1               | A      |
| Aroclor 1221   | ND     |           | ug/l  | 0.071 | 0.061 | 1               | A      |
| Aroclor 1232   | ND     |           | ug/l  | 0.071 | 0.061 | 1               | A      |
| Aroclor 1242   | ND     |           | ug/l  | 0.071 | 0.061 | 1               | A      |
| Aroclor 1248   | ND     |           | ug/l  | 0.071 | 0.061 | 1               | A      |
| Aroclor 1254   | ND     |           | ug/l  | 0.071 | 0.061 | 1               | A      |
| Aroclor 1260   | ND     |           | ug/l  | 0.071 | 0.061 | 1               | A      |
| Aroclor 1262   | ND     |           | ug/l  | 0.071 | 0.061 | 1               | A      |
| Aroclor 1268   | ND     |           | ug/l  | 0.071 | 0.061 | 1               | A      |
| PCBs, Total  | ND     |           | ug/l  | 0.071 | 0.061 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 81         |           | 30-150              | A      |
| Decachlorobiphenyl           | 88         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 80         |           | 30-150              | B      |
| Decachlorobiphenyl           | 90         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

Lab ID: L2231237-02  
 Client ID: SB014(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 10:00  
 Date Received: 06/13/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 06/15/22 17:07  
 Analyst: JM  
 Percent Solids: 97%

Extraction Method: EPA 3546  
 Extraction Date: 06/14/22 21:30  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 06/15/22  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 06/15/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Polychlorinated Biphenyls by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Aroclor 1016   | ND     |           | ug/kg | 33.3 | 2.96 | 1               | A      |
| Aroclor 1221   | ND     |           | ug/kg | 33.3 | 3.34 | 1               | A      |
| Aroclor 1232   | ND     |           | ug/kg | 33.3 | 7.06 | 1               | A      |
| Aroclor 1242   | ND     |           | ug/kg | 33.3 | 4.49 | 1               | A      |
| Aroclor 1248   | 22.2   | J         | ug/kg | 33.3 | 5.00 | 1               | A      |
| Aroclor 1254   | 50.3   |           | ug/kg | 33.3 | 3.64 | 1               | B      |
| Aroclor 1260   | 15.0   | J         | ug/kg | 33.3 | 6.16 | 1               | A      |
| Aroclor 1262   | ND     |           | ug/kg | 33.3 | 4.23 | 1               | A      |
| Aroclor 1268   | ND     |           | ug/kg | 33.3 | 3.45 | 1               | A      |
| PCBs, Total  | 87.5   | J         | ug/kg | 33.3 | 2.96 | 1               | B      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 85         |           | 30-150              | A      |
| Decachlorobiphenyl           | 68         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 95         |           | 30-150              | B      |
| Decachlorobiphenyl           | 92         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-03  
**Client ID:** SB015(0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 11:40  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 06/15/22 17:15  
**Analyst:** JM  
**Percent Solids:** 92%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/14/22 21:30  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 06/15/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 06/15/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Polychlorinated Biphenyls by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Aroclor 1016   | ND     |           | ug/kg | 35.2 | 3.13 | 1               | A      |
| Aroclor 1221   | ND     |           | ug/kg | 35.2 | 3.53 | 1               | A      |
| Aroclor 1232   | ND     |           | ug/kg | 35.2 | 7.47 | 1               | A      |
| Aroclor 1242   | ND     |           | ug/kg | 35.2 | 4.75 | 1               | A      |
| Aroclor 1248   | ND     |           | ug/kg | 35.2 | 5.29 | 1               | A      |
| Aroclor 1254   | ND     |           | ug/kg | 35.2 | 3.86 | 1               | A      |
| Aroclor 1260   | ND     |           | ug/kg | 35.2 | 6.51 | 1               | A      |
| Aroclor 1262   | ND     |           | ug/kg | 35.2 | 4.48 | 1               | A      |
| Aroclor 1268   | ND     |           | ug/kg | 35.2 | 3.65 | 1               | A      |
| PCBs, Total  | ND     |           | ug/kg | 35.2 | 3.13 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 61         |           | 30-150              | A      |
| Decachlorobiphenyl           | 45         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 68         |           | 30-150              | B      |
| Decachlorobiphenyl           | 55         |           | 30-150              | B      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-04  
**Client ID:** SB014(10-12)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 12:30  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 06/15/22 17:23  
**Analyst:** JM  
**Percent Solids:** 92%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/14/22 21:30  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 06/15/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 06/15/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Polychlorinated Biphenyls by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Aroclor 1016   | ND     |           | ug/kg | 34.1 | 3.03 | 1               | A      |
| Aroclor 1221   | ND     |           | ug/kg | 34.1 | 3.42 | 1               | A      |
| Aroclor 1232   | ND     |           | ug/kg | 34.1 | 7.23 | 1               | A      |
| Aroclor 1242   | ND     |           | ug/kg | 34.1 | 4.60 | 1               | A      |
| Aroclor 1248   | ND     |           | ug/kg | 34.1 | 5.11 | 1               | A      |
| Aroclor 1254   | ND     |           | ug/kg | 34.1 | 3.73 | 1               | A      |
| Aroclor 1260   | ND     |           | ug/kg | 34.1 | 6.30 | 1               | A      |
| Aroclor 1262   | ND     |           | ug/kg | 34.1 | 4.33 | 1               | A      |
| Aroclor 1268   | ND     |           | ug/kg | 34.1 | 3.53 | 1               | A      |
| PCBs, Total  | ND     |           | ug/kg | 34.1 | 3.03 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 75         |           | 30-150              | A      |
| Decachlorobiphenyl           | 53         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 74         |           | 30-150              | B      |
| Decachlorobiphenyl           | 81         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-05  
**Client ID:** SB014(14-16)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 12:40  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 06/15/22 17:31  
**Analyst:** JM  
**Percent Solids:** 90%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/14/22 21:30  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 06/15/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 06/15/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Polychlorinated Biphenyls by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Aroclor 1016   | ND     |           | ug/kg | 35.2 | 3.12 | 1               | A      |
| Aroclor 1221   | ND     |           | ug/kg | 35.2 | 3.52 | 1               | A      |
| Aroclor 1232   | ND     |           | ug/kg | 35.2 | 7.46 | 1               | A      |
| Aroclor 1242   | ND     |           | ug/kg | 35.2 | 4.74 | 1               | A      |
| Aroclor 1248   | ND     |           | ug/kg | 35.2 | 5.28 | 1               | A      |
| Aroclor 1254   | ND     |           | ug/kg | 35.2 | 3.85 | 1               | A      |
| Aroclor 1260   | ND     |           | ug/kg | 35.2 | 6.50 | 1               | A      |
| Aroclor 1262   | ND     |           | ug/kg | 35.2 | 4.47 | 1               | A      |
| Aroclor 1268   | ND     |           | ug/kg | 35.2 | 3.64 | 1               | A      |
| PCBs, Total  | ND     |           | ug/kg | 35.2 | 3.12 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 79         |           | 30-150              | A      |
| Decachlorobiphenyl           | 57         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 89         |           | 30-150              | B      |
| Decachlorobiphenyl           | 80         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-06  
**Client ID:** SB015(6-8)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 12:50  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 06/15/22 17:39  
**Analyst:** JM  
**Percent Solids:** 93%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/14/22 21:30  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 06/15/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 06/15/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Polychlorinated Biphenyls by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Aroclor 1016   | ND     |           | ug/kg | 33.7 | 2.99 | 1               | A      |
| Aroclor 1221   | ND     |           | ug/kg | 33.7 | 3.38 | 1               | A      |
| Aroclor 1232   | ND     |           | ug/kg | 33.7 | 7.14 | 1               | A      |
| Aroclor 1242   | ND     |           | ug/kg | 33.7 | 4.54 | 1               | A      |
| Aroclor 1248   | ND     |           | ug/kg | 33.7 | 5.05 | 1               | A      |
| Aroclor 1254   | ND     |           | ug/kg | 33.7 | 3.68 | 1               | A      |
| Aroclor 1260   | ND     |           | ug/kg | 33.7 | 6.22 | 1               | A      |
| Aroclor 1262   | ND     |           | ug/kg | 33.7 | 4.28 | 1               | A      |
| Aroclor 1268   | ND     |           | ug/kg | 33.7 | 3.49 | 1               | A      |
| PCBs, Total  | ND     |           | ug/kg | 33.7 | 2.99 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 79         |           | 30-150              | A      |
| Decachlorobiphenyl           | 54         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 82         |           | 30-150              | B      |
| Decachlorobiphenyl           | 69         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-07  
**Client ID:** SB015(12-14)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 13:00  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 06/15/22 17:47  
**Analyst:** JM  
**Percent Solids:** 83%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/14/22 21:30  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 06/15/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 06/15/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Polychlorinated Biphenyls by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Aroclor 1016   | ND     |           | ug/kg | 38.7 | 3.44 | 1               | A      |
| Aroclor 1221   | ND     |           | ug/kg | 38.7 | 3.88 | 1               | A      |
| Aroclor 1232   | ND     |           | ug/kg | 38.7 | 8.20 | 1               | A      |
| Aroclor 1242   | ND     |           | ug/kg | 38.7 | 5.22 | 1               | A      |
| Aroclor 1248   | ND     |           | ug/kg | 38.7 | 5.80 | 1               | A      |
| Aroclor 1254   | ND     |           | ug/kg | 38.7 | 4.23 | 1               | A      |
| Aroclor 1260   | ND     |           | ug/kg | 38.7 | 7.15 | 1               | A      |
| Aroclor 1262   | ND     |           | ug/kg | 38.7 | 4.92 | 1               | A      |
| Aroclor 1268   | ND     |           | ug/kg | 38.7 | 4.01 | 1               | A      |
| PCBs, Total  | ND     |           | ug/kg | 38.7 | 3.44 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 89         |           | 30-150              | A      |
| Decachlorobiphenyl           | 58         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 94         |           | 30-150              | B      |
| Decachlorobiphenyl           | 69         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**Method Blank Analysis  
 Batch Quality Control**

Analytical Method: 1,8082A  
 Analytical Date: 06/15/22 16:43  
 Analyst: JM

Extraction Method: EPA 3546  
 Extraction Date: 06/14/22 02:56  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 06/15/22  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 06/15/22

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Column |
|---|--------|-----------|-------|------|------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02-07 Batch: WG1650122-1 |        |           |       |      |      |        |
| Aroclor 1016  | ND     |           | ug/kg | 32.0 | 2.85 | A      |
| Aroclor 1221  | ND     |           | ug/kg | 32.0 | 3.21 | A      |
| Aroclor 1232  | ND     |           | ug/kg | 32.0 | 6.79 | A      |
| Aroclor 1242  | ND     |           | ug/kg | 32.0 | 4.32 | A      |
| Aroclor 1248  | ND     |           | ug/kg | 32.0 | 4.81 | A      |
| Aroclor 1254  | ND     |           | ug/kg | 32.0 | 3.51 | A      |
| Aroclor 1260  | ND     |           | ug/kg | 32.0 | 5.92 | A      |
| Aroclor 1262  | ND     |           | ug/kg | 32.0 | 4.07 | A      |
| Aroclor 1268  | ND     |           | ug/kg | 32.0 | 3.32 | A      |
| PCBs, Total   | ND     |           | ug/kg | 32.0 | 2.85 | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 78        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 63        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 79        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 64        |           | 30-150                 | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8082A  
Analytical Date: 06/15/22 22:25  
Analyst: ER

Extraction Method: EPA 3510C  
Extraction Date: 06/14/22 20:10  
Cleanup Method: EPA 3665A  
Cleanup Date: 06/15/22  
Cleanup Method: EPA 3660B  
Cleanup Date: 06/15/22

| Parameter  | Result | Qualifier | Units | RL    | MDL   | Column |
|--|--------|-----------|-------|-------|-------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1650576-1 |        |           |       |       |       |        |
| Aroclor 1016   | ND     |           | ug/l  | 0.071 | 0.061 | A      |
| Aroclor 1221   | ND     |           | ug/l  | 0.071 | 0.061 | A      |
| Aroclor 1232   | ND     |           | ug/l  | 0.071 | 0.061 | A      |
| Aroclor 1242   | ND     |           | ug/l  | 0.071 | 0.061 | A      |
| Aroclor 1248   | ND     |           | ug/l  | 0.071 | 0.061 | A      |
| Aroclor 1254   | ND     |           | ug/l  | 0.071 | 0.061 | A      |
| Aroclor 1260   | ND     |           | ug/l  | 0.071 | 0.061 | A      |
| Aroclor 1262   | ND     |           | ug/l  | 0.071 | 0.061 | A      |
| Aroclor 1268   | ND     |           | ug/l  | 0.071 | 0.061 | A      |
| PCBs, Total  | ND     |           | ug/l  | 0.071 | 0.061 | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 88        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 99        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 86        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 100       |           | 30-150                 | B      |

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02-07 Batch: WG1650122-2 WG1650122-3 |                  |      |                   |      |                     |     |      |               |        |
| Aroclor 1016   | 81               |      | 80                |      | 40-140              | 1   |      | 50            | A      |
| Aroclor 1260   | 73               |      | 73                |      | 40-140              | 0   |      | 50            | A      |

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 81               |      | 79                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 65               |      | 65                |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 84               |      | 82                |      | 30-150                 | B      |
| Decachlorobiphenyl           | 65               |      | 65                |      | 30-150                 | B      |

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1650576-2 WG1650576-3 |                  |      |                   |      |                     |     |      |               |        |
| Aroclor 1016  | 77               |      | 82                |      | 40-140              | 7   |      | 50            | A      |
| Aroclor 1260  | 81               |      | 85                |      | 40-140              | 5   |      | 50            | A      |

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 84               |      | 87                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 92               |      | 97                |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 81               |      | 84                |      | 30-150                 | B      |
| Decachlorobiphenyl           | 96               |      | 100               |      | 30-150                 | B      |



# PESTICIDES

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-01  
**Client ID:** FB\_061322  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 09:00  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8081B  
**Analytical Date:** 06/16/22 13:35  
**Analyst:** MSF

**Extraction Method:** EPA 3510C  
**Extraction Date:** 06/15/22 23:36

| Parameter  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| <b>Organochlorine Pesticides by GC - Westborough Lab</b> |        |           |       |       |       |                 |        |
| Delta-BHC  | ND     |           | ug/l  | 0.014 | 0.003 | 1               | A      |
| Lindane  | ND     |           | ug/l  | 0.014 | 0.003 | 1               | A      |
| Alpha-BHC  | ND     |           | ug/l  | 0.014 | 0.003 | 1               | A      |
| Beta-BHC   | ND     |           | ug/l  | 0.014 | 0.004 | 1               | A      |
| Heptachlor   | ND     |           | ug/l  | 0.014 | 0.002 | 1               | A      |
| Aldrin   | ND     |           | ug/l  | 0.014 | 0.002 | 1               | A      |
| Heptachlor epoxide                                       | ND     |           | ug/l  | 0.014 | 0.003 | 1               | A      |
| Endrin   | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| Endrin aldehyde  | ND     |           | ug/l  | 0.029 | 0.006 | 1               | A      |
| Endrin ketone  | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| Dieldrin   | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| 4,4'-DDE   | ND     |           | ug/l  | 0.029 | 0.003 | 1               | B      |
| 4,4'-DDD   | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| 4,4'-DDT   | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| Endosulfan I   | ND     |           | ug/l  | 0.014 | 0.002 | 1               | A      |
| Endosulfan II  | ND     |           | ug/l  | 0.029 | 0.004 | 1               | A      |
| Endosulfan sulfate                                       | ND     |           | ug/l  | 0.029 | 0.003 | 1               | A      |
| Methoxychlor   | ND     |           | ug/l  | 0.143 | 0.005 | 1               | A      |
| Toxaphene  | ND     |           | ug/l  | 0.143 | 0.045 | 1               | A      |
| cis-Chlordane  | ND     |           | ug/l  | 0.014 | 0.005 | 1               | A      |
| trans-Chlordane  | ND     |           | ug/l  | 0.014 | 0.004 | 1               | A      |
| Chlordane  | ND     |           | ug/l  | 0.143 | 0.033 | 1               | A      |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2231237**Project Number:** 3883.0001Y000**Report Date:** 06/25/22**SAMPLE RESULTS**

Lab ID: L2231237-01

Date Collected: 06/13/22 09:00

Client ID: FB\_061322

Date Received: 06/13/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|----|-----|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |    |     |                 |        |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 67         |           | 30-150              | A      |
| Decachlorobiphenyl           | 68         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 62         |           | 30-150              | B      |
| Decachlorobiphenyl           | 83         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-01  
**Client ID:** FB\_061322  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 09:00  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8151A  
**Analytical Date:** 06/16/22 21:21  
**Analyst:** AR

**Extraction Method:** EPA 8151A  
**Extraction Date:** 06/15/22 16:49

**Methylation Date:** 06/15/22 23:34

| Parameter   | Result | Qualifier | Units | RL   | MDL   | Dilution Factor | Column |
|---|--------|-----------|-------|------|-------|-----------------|--------|
| <b>Chlorinated Herbicides by GC - Westborough Lab</b> |        |           |       |      |       |                 |        |
| MCPP  | ND     |           | ug/l  | 500  | 58.5  | 1               | A      |
| MCPA  | ND     |           | ug/l  | 500  | 63.2  | 1               | A      |
| Dalapon   | ND     |           | ug/l  | 20.0 | 0.810 | 1               | A      |
| Dicamba   | ND     |           | ug/l  | 1.00 | 0.243 | 1               | A      |
| Dichloroprop  | ND     |           | ug/l  | 10.0 | 0.564 | 1               | A      |
| 2,4-D   | ND     |           | ug/l  | 10.0 | 0.498 | 1               | A      |
| 2,4-DB  | ND     |           | ug/l  | 10.0 | 0.729 | 1               | A      |
| 2,4,5-T   | ND     |           | ug/l  | 2.00 | 0.531 | 1               | A      |
| 2,4,5-TP (Silvex)                                     | ND     |           | ug/l  | 2.00 | 0.539 | 1               | A      |
| Dinoseb   | ND     |           | ug/l  | 5.00 | 0.573 | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 119        |           | 30-150              | A      |
| DCAA      | 98         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-02  
**Client ID:** SB014(0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 10:00  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 06/15/22 12:00  
**Analyst:** AR  
**Percent Solids:** 97%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/14/22 21:44  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 06/15/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 06/15/22

| Parameter  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| <b>Organochlorine Pesticides by GC - Westborough Lab</b> |        |           |       |       |       |                 |        |
| Delta-BHC  | ND     |           | ug/kg | 1.56  | 0.305 | 1               | A      |
| Lindane  | ND     |           | ug/kg | 0.649 | 0.290 | 1               | A      |
| Alpha-BHC  | ND     |           | ug/kg | 0.649 | 0.184 | 1               | A      |
| Beta-BHC   | ND     |           | ug/kg | 1.56  | 0.590 | 1               | A      |
| Heptachlor   | ND     |           | ug/kg | 0.778 | 0.349 | 1               | A      |
| Aldrin   | ND     |           | ug/kg | 1.56  | 0.548 | 1               | A      |
| Heptachlor epoxide                                       | ND     |           | ug/kg | 2.92  | 0.876 | 1               | A      |
| Endrin   | ND     |           | ug/kg | 0.649 | 0.266 | 1               | A      |
| Endrin aldehyde  | ND     |           | ug/kg | 1.94  | 0.681 | 1               | A      |
| Endrin ketone  | ND     |           | ug/kg | 1.56  | 0.401 | 1               | A      |
| Dieldrin   | ND     |           | ug/kg | 0.973 | 0.486 | 1               | A      |
| 4,4'-DDE   | 0.828  | J         | ug/kg | 1.56  | 0.360 | 1               | B      |
| 4,4'-DDD   | ND     |           | ug/kg | 1.56  | 0.555 | 1               | A      |
| 4,4'-DDT   | ND     | IP        | ug/kg | 2.92  | 1.25  | 1               | A      |
| Endosulfan I   | ND     |           | ug/kg | 1.56  | 0.368 | 1               | A      |
| Endosulfan II  | ND     |           | ug/kg | 1.56  | 0.520 | 1               | A      |
| Endosulfan sulfate                                       | ND     |           | ug/kg | 0.649 | 0.309 | 1               | A      |
| Methoxychlor   | ND     |           | ug/kg | 2.92  | 0.908 | 1               | A      |
| Toxaphene  | ND     |           | ug/kg | 29.2  | 8.17  | 1               | A      |
| cis-Chlordane  | ND     |           | ug/kg | 1.94  | 0.542 | 1               | A      |
| trans-Chlordane  | ND     | IP        | ug/kg | 1.94  | 0.514 | 1               | B      |
| Chlordane  | ND     |           | ug/kg | 13.0  | 5.16  | 1               | A      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

Lab ID: L2231237-02  
 Client ID: SB014(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 10:00  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|----|-----|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |    |     |                 |        |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 73         |           | 30-150              | A      |
| Decachlorobiphenyl           | 81         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 77         |           | 30-150              | B      |
| Decachlorobiphenyl           | 93         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

Lab ID: L2231237-02  
 Client ID: SB014(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 10:00  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 06/17/22 11:53  
 Analyst: AKM  
 Percent Solids: 97%  
 Methylation Date: 06/16/22 19:46

Extraction Method: EPA 8151A  
 Extraction Date: 06/15/22 11:44

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---|--------|-----------|-------|------|------|-----------------|--------|
| <b>Chlorinated Herbicides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| MCPP  | ND     |           | ug/kg | 3350 | 1060 | 1               | A      |
| MCPA  | ND     |           | ug/kg | 3350 | 948. | 1               | A      |
| Dalapon   | ND     |           | ug/kg | 33.5 | 11.0 | 1               | A      |
| Dicamba   | ND     |           | ug/kg | 33.5 | 5.63 | 1               | A      |
| Dichloroprop  | ND     |           | ug/kg | 33.5 | 9.62 | 1               | A      |
| 2,4-D   | ND     |           | ug/kg | 168  | 10.6 | 1               | A      |
| 2,4-DB  | ND     |           | ug/kg | 168  | 8.61 | 1               | A      |
| 2,4,5-T   | ND     |           | ug/kg | 168  | 5.19 | 1               | A      |
| 2,4,5-TP (Silvex)                                     | ND     |           | ug/kg | 168  | 4.46 | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 95         |           | 30-150              | A      |
| DCAA      | 98         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

Lab ID: L2231237-03  
 Client ID: SB015(0-2)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 11:40  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 06/17/22 12:12  
 Analyst: AKM  
 Percent Solids: 92%  
 Methylation Date: 06/16/22 19:46

Extraction Method: EPA 8151A  
 Extraction Date: 06/15/22 11:44

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---|--------|-----------|-------|------|------|-----------------|--------|
| <b>Chlorinated Herbicides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| MCPP  | ND     |           | ug/kg | 3580 | 1130 | 1               | A      |
| MCPA  | ND     |           | ug/kg | 3580 | 1010 | 1               | A      |
| Dalapon   | ND     |           | ug/kg | 35.8 | 11.7 | 1               | A      |
| Dicamba   | ND     |           | ug/kg | 35.8 | 6.01 | 1               | A      |
| Dichloroprop  | ND     |           | ug/kg | 35.8 | 10.3 | 1               | A      |
| 2,4-D   | ND     |           | ug/kg | 179  | 11.3 | 1               | A      |
| 2,4-DB  | ND     |           | ug/kg | 179  | 9.19 | 1               | A      |
| 2,4,5-T   | ND     |           | ug/kg | 179  | 5.54 | 1               | A      |
| 2,4,5-TP (Silvex)                                     | ND     |           | ug/kg | 179  | 4.75 | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 52         |           | 30-150              | A      |
| DCAA      | 50         |           | 30-150              | B      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-03 D  
**Client ID:** SB015(0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 11:40  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 06/15/22 12:12  
**Analyst:** AR  
**Percent Solids:** 92%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/14/22 21:44  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 06/15/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 06/15/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Organochlorine Pesticides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Delta-BHC  | ND     |           | ug/kg | 16.8 | 3.29 | 10              | A      |
| Lindane  | ND     |           | ug/kg | 6.99 | 3.12 | 10              | A      |
| Alpha-BHC  | ND     |           | ug/kg | 6.99 | 1.98 | 10              | A      |
| Beta-BHC   | ND     |           | ug/kg | 16.8 | 6.36 | 10              | A      |
| Heptachlor   | ND     |           | ug/kg | 8.39 | 3.76 | 10              | A      |
| Aldrin   | ND     |           | ug/kg | 16.8 | 5.91 | 10              | A      |
| Heptachlor epoxide                                       | ND     |           | ug/kg | 31.5 | 9.44 | 10              | A      |
| Endrin   | ND     |           | ug/kg | 6.99 | 2.87 | 10              | A      |
| Endrin aldehyde  | ND     |           | ug/kg | 21.0 | 7.34 | 10              | A      |
| Endrin ketone  | ND     |           | ug/kg | 16.8 | 4.32 | 10              | A      |
| Dieldrin   | ND     |           | ug/kg | 10.5 | 5.24 | 10              | A      |
| 4,4'-DDE   | ND     |           | ug/kg | 16.8 | 3.88 | 10              | A      |
| 4,4'-DDD   | ND     |           | ug/kg | 16.8 | 5.98 | 10              | A      |
| 4,4'-DDT   | ND     |           | ug/kg | 31.5 | 13.5 | 10              | A      |
| Endosulfan I   | ND     |           | ug/kg | 16.8 | 3.96 | 10              | A      |
| Endosulfan II  | ND     |           | ug/kg | 16.8 | 5.61 | 10              | A      |
| Endosulfan sulfate                                       | ND     |           | ug/kg | 6.99 | 3.33 | 10              | A      |
| Methoxychlor   | ND     |           | ug/kg | 31.5 | 9.79 | 10              | A      |
| Toxaphene  | ND     |           | ug/kg | 315  | 88.1 | 10              | A      |
| cis-Chlordane  | ND     |           | ug/kg | 21.0 | 5.84 | 10              | A      |
| trans-Chlordane  | ND     |           | ug/kg | 21.0 | 5.54 | 10              | A      |
| Chlordane  | ND     |           | ug/kg | 140  | 55.6 | 10              | A      |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2231237**Project Number:** 3883.0001Y000**Report Date:** 06/25/22**SAMPLE RESULTS**

Lab ID: L2231237-03 D

Date Collected: 06/13/22 11:40

Client ID: SB015(0-2)

Date Received: 06/13/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|----|-----|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |    |     |                 |        |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 79         |           | 30-150              | A      |
| Decachlorobiphenyl           | 67         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 84         |           | 30-150              | B      |
| Decachlorobiphenyl           | 94         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

Lab ID: L2231237-04  
 Client ID: SB014(10-12)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 12:30  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 06/17/22 12:33  
 Analyst: AKM  
 Percent Solids: 92%  
 Methylation Date: 06/16/22 19:46

Extraction Method: EPA 8151A  
 Extraction Date: 06/15/22 11:44

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---|--------|-----------|-------|------|------|-----------------|--------|
| <b>Chlorinated Herbicides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| MCPP  | ND     |           | ug/kg | 3560 | 1120 | 1               | A      |
| MCPA  | ND     |           | ug/kg | 3560 | 1010 | 1               | A      |
| Dalapon   | ND     |           | ug/kg | 35.6 | 11.6 | 1               | A      |
| Dicamba   | ND     |           | ug/kg | 35.6 | 5.97 | 1               | A      |
| Dichloroprop  | ND     |           | ug/kg | 35.6 | 10.2 | 1               | A      |
| 2,4-D   | ND     |           | ug/kg | 178  | 11.2 | 1               | A      |
| 2,4-DB  | ND     |           | ug/kg | 178  | 9.14 | 1               | A      |
| 2,4,5-T   | ND     |           | ug/kg | 178  | 5.51 | 1               | A      |
| 2,4,5-TP (Silvex)                                     | ND     |           | ug/kg | 178  | 4.73 | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 101        |           | 30-150              | A      |
| DCAA      | 93         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-04      D  
**Client ID:** SB014(10-12)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 12:30  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 06/15/22 12:23  
**Analyst:** AR  
**Percent Solids:** 92%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/14/22 21:44  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 06/15/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 06/15/22

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|--|--------|-----------|-------|------|------|-----------------|--------|
| <b>Organochlorine Pesticides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| Delta-BHC  | ND     |           | ug/kg | 8.45 | 1.66 | 5               | A      |
| Lindane  | ND     |           | ug/kg | 3.52 | 1.57 | 5               | A      |
| Alpha-BHC  | ND     |           | ug/kg | 3.52 | 1.00 | 5               | A      |
| Beta-BHC   | ND     |           | ug/kg | 8.45 | 3.20 | 5               | A      |
| Heptachlor   | ND     |           | ug/kg | 4.22 | 1.89 | 5               | A      |
| Aldrin   | ND     |           | ug/kg | 8.45 | 2.98 | 5               | A      |
| Heptachlor epoxide                                       | ND     |           | ug/kg | 15.8 | 4.75 | 5               | A      |
| Endrin   | ND     |           | ug/kg | 3.52 | 1.44 | 5               | A      |
| Endrin aldehyde  | ND     |           | ug/kg | 10.6 | 3.70 | 5               | A      |
| Endrin ketone  | ND     |           | ug/kg | 8.45 | 2.18 | 5               | A      |
| Dieldrin   | ND     |           | ug/kg | 5.28 | 2.64 | 5               | A      |
| 4,4'-DDE   | ND     |           | ug/kg | 8.45 | 1.95 | 5               | A      |
| 4,4'-DDD   | ND     |           | ug/kg | 8.45 | 3.01 | 5               | A      |
| 4,4'-DDT   | ND     |           | ug/kg | 15.8 | 6.80 | 5               | A      |
| Endosulfan I   | ND     |           | ug/kg | 8.45 | 2.00 | 5               | A      |
| Endosulfan II  | ND     |           | ug/kg | 8.45 | 2.82 | 5               | A      |
| Endosulfan sulfate                                       | ND     |           | ug/kg | 3.52 | 1.68 | 5               | A      |
| Methoxychlor   | ND     |           | ug/kg | 15.8 | 4.93 | 5               | A      |
| Toxaphene  | ND     |           | ug/kg | 158  | 44.4 | 5               | A      |
| cis-Chlordane  | ND     |           | ug/kg | 10.6 | 2.94 | 5               | A      |
| trans-Chlordane  | ND     |           | ug/kg | 10.6 | 2.79 | 5               | A      |
| Chlordane  | ND     |           | ug/kg | 70.4 | 28.0 | 5               | A      |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2231237**Project Number:** 3883.0001Y000**Report Date:** 06/25/22**SAMPLE RESULTS**

Lab ID: L2231237-04 D

Date Collected: 06/13/22 12:30

Client ID: SB014(10-12)

Date Received: 06/13/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|----|-----|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |    |     |                 |        |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 75         |           | 30-150              | A      |
| Decachlorobiphenyl           | 58         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 70         |           | 30-150              | B      |
| Decachlorobiphenyl           | <b>527</b> | Q         | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-05  
**Client ID:** SB014(14-16)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 12:40  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 06/15/22 12:34  
**Analyst:** AR  
**Percent Solids:** 90%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/14/22 21:44  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 06/15/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 06/15/22

| Parameter  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| <b>Organochlorine Pesticides by GC - Westborough Lab</b> |        |           |       |       |       |                 |        |
| Delta-BHC  | ND     |           | ug/kg | 1.68  | 0.328 | 1               | A      |
| Lindane  | ND     |           | ug/kg | 0.699 | 0.312 | 1               | A      |
| Alpha-BHC  | ND     |           | ug/kg | 0.699 | 0.198 | 1               | A      |
| Beta-BHC   | ND     |           | ug/kg | 1.68  | 0.636 | 1               | A      |
| Heptachlor   | ND     |           | ug/kg | 0.839 | 0.376 | 1               | A      |
| Aldrin   | ND     |           | ug/kg | 1.68  | 0.590 | 1               | A      |
| Heptachlor epoxide                                       | ND     |           | ug/kg | 3.14  | 0.944 | 1               | A      |
| Endrin   | ND     |           | ug/kg | 0.699 | 0.286 | 1               | A      |
| Endrin aldehyde  | ND     |           | ug/kg | 2.10  | 0.734 | 1               | A      |
| Endrin ketone  | ND     |           | ug/kg | 1.68  | 0.432 | 1               | A      |
| Dieldrin   | ND     |           | ug/kg | 1.05  | 0.524 | 1               | A      |
| 4,4'-DDE   | ND     |           | ug/kg | 1.68  | 0.388 | 1               | A      |
| 4,4'-DDD   | ND     |           | ug/kg | 1.68  | 0.598 | 1               | A      |
| 4,4'-DDT   | ND     |           | ug/kg | 3.14  | 1.35  | 1               | A      |
| Endosulfan I   | ND     |           | ug/kg | 1.68  | 0.396 | 1               | A      |
| Endosulfan II  | ND     |           | ug/kg | 1.68  | 0.560 | 1               | A      |
| Endosulfan sulfate                                       | ND     |           | ug/kg | 0.699 | 0.333 | 1               | A      |
| Methoxychlor   | ND     |           | ug/kg | 3.14  | 0.978 | 1               | A      |
| Toxaphene  | ND     |           | ug/kg | 31.4  | 8.81  | 1               | A      |
| cis-Chlordane  | ND     |           | ug/kg | 2.10  | 0.584 | 1               | A      |
| trans-Chlordane  | ND     |           | ug/kg | 2.10  | 0.554 | 1               | A      |
| Chlordane  | ND     |           | ug/kg | 14.0  | 5.56  | 1               | A      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

Lab ID: L2231237-05  
 Client ID: SB014(14-16)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 12:40  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|----|-----|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |    |     |                 |        |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 69         |           | 30-150              | A      |
| Decachlorobiphenyl           | 75         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 76         |           | 30-150              | B      |
| Decachlorobiphenyl           | 84         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

Lab ID: L2231237-05  
 Client ID: SB014(14-16)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 12:40  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 06/17/22 12:51  
 Analyst: AKM  
 Percent Solids: 90%  
 Methylation Date: 06/16/22 19:46

Extraction Method: EPA 8151A  
 Extraction Date: 06/15/22 11:44

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---|--------|-----------|-------|------|------|-----------------|--------|
| <b>Chlorinated Herbicides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| MCPP  | ND     |           | ug/kg | 3660 | 1150 | 1               | A      |
| MCPA  | ND     |           | ug/kg | 3660 | 1040 | 1               | A      |
| Dalapon   | ND     |           | ug/kg | 36.6 | 12.0 | 1               | A      |
| Dicamba   | ND     |           | ug/kg | 36.6 | 6.15 | 1               | A      |
| Dichloroprop  | ND     |           | ug/kg | 36.6 | 10.5 | 1               | A      |
| 2,4-D   | ND     |           | ug/kg | 183  | 11.5 | 1               | A      |
| 2,4-DB  | ND     |           | ug/kg | 183  | 9.41 | 1               | A      |
| 2,4,5-T   | ND     |           | ug/kg | 183  | 5.68 | 1               | A      |
| 2,4,5-TP (Silvex)                                     | ND     |           | ug/kg | 183  | 4.87 | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 118        |           | 30-150              | A      |
| DCAA      | 102        |           | 30-150              | B      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-06  
**Client ID:** SB015(6-8)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 12:50  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 06/15/22 12:45  
**Analyst:** AR  
**Percent Solids:** 93%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/14/22 21:44  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 06/15/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 06/15/22

| Parameter  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| <b>Organochlorine Pesticides by GC - Westborough Lab</b> |        |           |       |       |       |                 |        |
| Delta-BHC  | ND     |           | ug/kg | 1.66  | 0.326 | 1               | A      |
| Lindane  | ND     |           | ug/kg | 0.693 | 0.310 | 1               | A      |
| Alpha-BHC  | ND     |           | ug/kg | 0.693 | 0.197 | 1               | A      |
| Beta-BHC   | ND     |           | ug/kg | 1.66  | 0.631 | 1               | A      |
| Heptachlor   | ND     |           | ug/kg | 0.832 | 0.373 | 1               | A      |
| Aldrin   | ND     |           | ug/kg | 1.66  | 0.586 | 1               | A      |
| Heptachlor epoxide                                       | ND     |           | ug/kg | 3.12  | 0.936 | 1               | A      |
| Endrin   | ND     |           | ug/kg | 0.693 | 0.284 | 1               | A      |
| Endrin aldehyde  | ND     |           | ug/kg | 2.08  | 0.728 | 1               | A      |
| Endrin ketone  | ND     |           | ug/kg | 1.66  | 0.428 | 1               | A      |
| Dieldrin   | ND     |           | ug/kg | 1.04  | 0.520 | 1               | A      |
| 4,4'-DDE   | ND     |           | ug/kg | 1.66  | 0.385 | 1               | A      |
| 4,4'-DDD   | ND     |           | ug/kg | 1.66  | 0.593 | 1               | A      |
| 4,4'-DDT   | ND     |           | ug/kg | 3.12  | 1.34  | 1               | A      |
| Endosulfan I   | ND     |           | ug/kg | 1.66  | 0.393 | 1               | A      |
| Endosulfan II  | ND     |           | ug/kg | 1.66  | 0.556 | 1               | A      |
| Endosulfan sulfate                                       | ND     |           | ug/kg | 0.693 | 0.330 | 1               | A      |
| Methoxychlor   | ND     |           | ug/kg | 3.12  | 0.970 | 1               | A      |
| Toxaphene  | ND     |           | ug/kg | 31.2  | 8.73  | 1               | A      |
| cis-Chlordane  | ND     |           | ug/kg | 2.08  | 0.579 | 1               | A      |
| trans-Chlordane  | ND     |           | ug/kg | 2.08  | 0.549 | 1               | A      |
| Chlordane  | ND     |           | ug/kg | 13.8  | 5.51  | 1               | A      |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2231237**Project Number:** 3883.0001Y000**Report Date:** 06/25/22**SAMPLE RESULTS**

Lab ID: L2231237-06

Date Collected: 06/13/22 12:50

Client ID: SB015(6-8)

Date Received: 06/13/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|----|-----|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |    |     |                 |        |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 70         |           | 30-150              | A      |
| Decachlorobiphenyl           | 74         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 76         |           | 30-150              | B      |
| Decachlorobiphenyl           | 83         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-06  
**Client ID:** SB015(6-8)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 12:50  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8151A  
**Analytical Date:** 06/17/22 13:25  
**Analyst:** AKM  
**Percent Solids:** 93%  
**Methylation Date:** 06/17/22 04:05

**Extraction Method:** EPA 8151A  
**Extraction Date:** 06/15/22 11:44

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---|--------|-----------|-------|------|------|-----------------|--------|
| <b>Chlorinated Herbicides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| MCPP  | ND     |           | ug/kg | 3470 | 1090 | 1               | A      |
| MCPA  | ND     |           | ug/kg | 3470 | 981. | 1               | A      |
| Dalapon   | ND     |           | ug/kg | 34.7 | 11.3 | 1               | A      |
| Dicamba   | ND     |           | ug/kg | 34.7 | 5.82 | 1               | A      |
| Dichloroprop  | ND     |           | ug/kg | 34.7 | 9.95 | 1               | A      |
| 2,4-D   | ND     |           | ug/kg | 173  | 10.9 | 1               | A      |
| 2,4-DB  | ND     |           | ug/kg | 173  | 8.91 | 1               | A      |
| 2,4,5-T   | ND     |           | ug/kg | 173  | 5.37 | 1               | A      |
| 2,4,5-TP (Silvex)                                     | ND     |           | ug/kg | 173  | 4.61 | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 112        |           | 30-150              | A      |
| DCAA      | 113        |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-07  
**Client ID:** SB015(12-14)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 13:00  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 06/15/22 12:56  
**Analyst:** AR  
**Percent Solids:** 83%

**Extraction Method:** EPA 3546  
**Extraction Date:** 06/14/22 21:44  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 06/15/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 06/15/22

| Parameter  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|--|--------|-----------|-------|-------|-------|-----------------|--------|
| <b>Organochlorine Pesticides by GC - Westborough Lab</b> |        |           |       |       |       |                 |        |
| Delta-BHC  | ND     |           | ug/kg | 1.83  | 0.358 | 1               | A      |
| Lindane  | ND     |           | ug/kg | 0.763 | 0.341 | 1               | A      |
| Alpha-BHC  | ND     |           | ug/kg | 0.763 | 0.217 | 1               | A      |
| Beta-BHC   | ND     |           | ug/kg | 1.83  | 0.694 | 1               | A      |
| Heptachlor   | ND     |           | ug/kg | 0.915 | 0.410 | 1               | A      |
| Aldrin   | ND     |           | ug/kg | 1.83  | 0.644 | 1               | A      |
| Heptachlor epoxide                                       | ND     |           | ug/kg | 3.43  | 1.03  | 1               | A      |
| Endrin   | ND     |           | ug/kg | 0.763 | 0.313 | 1               | A      |
| Endrin aldehyde  | ND     |           | ug/kg | 2.29  | 0.801 | 1               | A      |
| Endrin ketone  | ND     |           | ug/kg | 1.83  | 0.471 | 1               | A      |
| Dieldrin   | ND     |           | ug/kg | 1.14  | 0.572 | 1               | A      |
| 4,4'-DDE   | ND     |           | ug/kg | 1.83  | 0.423 | 1               | A      |
| 4,4'-DDD   | ND     |           | ug/kg | 1.83  | 0.653 | 1               | A      |
| 4,4'-DDT   | ND     |           | ug/kg | 3.43  | 1.47  | 1               | A      |
| Endosulfan I   | ND     |           | ug/kg | 1.83  | 0.432 | 1               | A      |
| Endosulfan II  | ND     |           | ug/kg | 1.83  | 0.612 | 1               | A      |
| Endosulfan sulfate                                       | ND     |           | ug/kg | 0.763 | 0.363 | 1               | A      |
| Methoxychlor   | ND     |           | ug/kg | 3.43  | 1.07  | 1               | A      |
| Toxaphene  | ND     |           | ug/kg | 34.3  | 9.61  | 1               | A      |
| cis-Chlordane  | ND     |           | ug/kg | 2.29  | 0.638 | 1               | A      |
| trans-Chlordane  | ND     |           | ug/kg | 2.29  | 0.604 | 1               | A      |
| Chlordane  | ND     |           | ug/kg | 15.2  | 6.06  | 1               | A      |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2231237**Project Number:** 3883.0001Y000**Report Date:** 06/25/22**SAMPLE RESULTS**

Lab ID: L2231237-07  
 Client ID: SB015(12-14)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 13:00  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter   | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|--------|-----------|-------|----|-----|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |    |     |                 |        |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 70         |           | 30-150              | A      |
| Decachlorobiphenyl           | 79         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 78         |           | 30-150              | B      |
| Decachlorobiphenyl           | 85         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

Lab ID: L2231237-07  
 Client ID: SB015(12-14)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 13:00  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 06/17/22 13:10  
 Analyst: AKM  
 Percent Solids: 83%  
 Methylation Date: 06/16/22 19:46

Extraction Method: EPA 8151A  
 Extraction Date: 06/15/22 11:44

| Parameter   | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---|--------|-----------|-------|------|------|-----------------|--------|
| <b>Chlorinated Herbicides by GC - Westborough Lab</b> |        |           |       |      |      |                 |        |
| MCPP  | ND     |           | ug/kg | 4000 | 1260 | 1               | A      |
| MCPA  | ND     |           | ug/kg | 4000 | 1130 | 1               | A      |
| Dalapon   | ND     |           | ug/kg | 40.0 | 13.1 | 1               | A      |
| Dicamba   | ND     |           | ug/kg | 40.0 | 6.72 | 1               | A      |
| Dichloroprop  | ND     |           | ug/kg | 40.0 | 11.5 | 1               | A      |
| 2,4-D   | ND     |           | ug/kg | 200  | 12.6 | 1               | A      |
| 2,4-DB  | ND     |           | ug/kg | 200  | 10.3 | 1               | A      |
| 2,4,5-T   | ND     |           | ug/kg | 200  | 6.20 | 1               | A      |
| 2,4,5-TP (Silvex)                                     | ND     |           | ug/kg | 200  | 5.32 | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 104        |           | 30-150              | A      |
| DCAA      | 92         |           | 30-150              | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**Method Blank Analysis  
 Batch Quality Control**

Analytical Method: 1,8081B  
 Analytical Date: 06/15/22 11:27  
 Analyst: AR

Extraction Method: EPA 3546  
 Extraction Date: 06/14/22 21:44  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 06/15/22  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 06/15/22

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Column |
|---|--------|-----------|-------|-------|-------|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02-07 Batch: WG1650595-1 |        |           |       |       |       |        |
| Delta-BHC   | ND     |           | ug/kg | 1.54  | 0.302 | A      |
| Lindane   | ND     |           | ug/kg | 0.643 | 0.287 | A      |
| Alpha-BHC   | ND     |           | ug/kg | 0.643 | 0.182 | A      |
| Beta-BHC  | ND     |           | ug/kg | 1.54  | 0.585 | A      |
| Heptachlor  | ND     |           | ug/kg | 0.771 | 0.346 | A      |
| Aldrin  | ND     |           | ug/kg | 1.54  | 0.543 | A      |
| Heptachlor epoxide  | ND     |           | ug/kg | 2.89  | 0.868 | A      |
| Endrin  | ND     |           | ug/kg | 0.643 | 0.263 | A      |
| Endrin aldehyde   | ND     |           | ug/kg | 1.93  | 0.675 | A      |
| Endrin ketone   | ND     |           | ug/kg | 1.54  | 0.397 | A      |
| Dieldrin  | ND     |           | ug/kg | 0.964 | 0.482 | A      |
| 4,4'-DDE  | ND     |           | ug/kg | 1.54  | 0.357 | A      |
| 4,4'-DDD  | ND     |           | ug/kg | 1.54  | 0.550 | A      |
| 4,4'-DDT  | ND     |           | ug/kg | 2.89  | 1.24  | A      |
| Endosulfan I  | ND     |           | ug/kg | 1.54  | 0.364 | A      |
| Endosulfan II   | ND     |           | ug/kg | 1.54  | 0.515 | A      |
| Endosulfan sulfate  | ND     |           | ug/kg | 0.643 | 0.306 | A      |
| Methoxychlor  | ND     |           | ug/kg | 2.89  | 0.900 | A      |
| Toxaphene   | ND     |           | ug/kg | 28.9  | 8.10  | A      |
| cis-Chlordane   | ND     |           | ug/kg | 1.93  | 0.537 | A      |
| trans-Chlordane   | ND     |           | ug/kg | 1.93  | 0.509 | A      |
| Chlordane   | ND     |           | ug/kg | 12.8  | 5.11  | A      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**Method Blank Analysis  
 Batch Quality Control**

Analytical Method: 1,8081B  
 Analytical Date: 06/15/22 11:27  
 Analyst: AR

Extraction Method: EPA 3546  
 Extraction Date: 06/14/22 21:44  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 06/15/22  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 06/15/22

| Parameter   | Result | Qualifier | Units | RL | MDL | Column |
|---|--------|-----------|-------|----|-----|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02-07 Batch: WG1650595-1 |        |           |       |    |     |        |

| Surrogate                    | %Recovery | Qualifier | Acceptance |        |
|------------------------------|-----------|-----------|------------|--------|
|                              |           |           | Criteria   | Column |
| 2,4,5,6-Tetrachloro-m-xylene | 64        |           | 30-150     | A      |
| Decachlorobiphenyl           | 76        |           | 30-150     | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 70        |           | 30-150     | B      |
| Decachlorobiphenyl           | 88        |           | 30-150     | B      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**Method Blank Analysis  
 Batch Quality Control**

Analytical Method: 1,8151A  
 Analytical Date: 06/17/22 11:19  
 Analyst: AKM

Extraction Method: EPA 8151A  
 Extraction Date: 06/15/22 11:44

Methylation Date: 06/16/22 19:46

| Parameter  | Result | Qualifier | Units | RL   | MDL  | Column |
|--|--------|-----------|-------|------|------|--------|
| Chlorinated Herbicides by GC - Westborough Lab for sample(s): 02-07 Batch: WG1650877-1 |        |           |       |      |      |        |
| MCPP   | ND     |           | ug/kg | 3320 | 1040 | A      |
| MCPA   | ND     |           | ug/kg | 3320 | 939. | A      |
| Dalapon  | ND     |           | ug/kg | 33.2 | 10.8 | A      |
| Dicamba  | ND     |           | ug/kg | 33.2 | 5.57 | A      |
| Dichloroprop   | ND     |           | ug/kg | 33.2 | 9.52 | A      |
| 2,4-D  | ND     |           | ug/kg | 166  | 10.4 | A      |
| 2,4-DB   | ND     |           | ug/kg | 166  | 8.53 | A      |
| 2,4,5-T  | ND     |           | ug/kg | 166  | 5.14 | A      |
| 2,4,5-TP (Silvex)  | ND     |           | ug/kg | 166  | 4.41 | A      |

| Surrogate | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|-----------|-----------|-----------|------------------------|--------|
| DCAA      | 116       |           | 30-150                 | A      |
| DCAA      | 100       |           | 30-150                 | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8151A  
Analytical Date: 06/16/22 19:48  
Analyst: AR

Extraction Method: EPA 8151A  
Extraction Date: 06/15/22 16:45

Methylation Date: 06/15/22 23:34

| Parameter   | Result | Qualifier | Units | RL   | MDL   | Column |
|---|--------|-----------|-------|------|-------|--------|
| Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01 Batch: WG1651091-1 |        |           |       |      |       |        |
| MCPP  | ND     |           | ug/l  | 500  | 58.5  | A      |
| MCPA  | ND     |           | ug/l  | 500  | 63.2  | A      |
| Dalapon   | ND     |           | ug/l  | 20.0 | 0.810 | A      |
| Dicamba   | ND     |           | ug/l  | 1.00 | 0.243 | A      |
| Dichloroprop  | ND     |           | ug/l  | 10.0 | 0.564 | A      |
| 2,4-D   | ND     |           | ug/l  | 10.0 | 0.498 | A      |
| 2,4-DB  | ND     |           | ug/l  | 10.0 | 0.729 | A      |
| 2,4,5-T   | ND     |           | ug/l  | 2.00 | 0.531 | A      |
| 2,4,5-TP (Silvex)   | ND     |           | ug/l  | 2.00 | 0.539 | A      |
| Dinoseb   | ND     |           | ug/l  | 5.00 | 0.573 | A      |

| Surrogate | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|-----------|-----------|-----------|------------------------|--------|
| DCAA      | 120       |           | 30-150                 | A      |
| DCAA      | 99        |           | 30-150                 | B      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 06/16/22 12:51  
Analyst: AR

Extraction Method: EPA 3510C  
Extraction Date: 06/15/22 23:36

| Parameter  | Result | Qualifier | Units | RL    | MDL   | Column |
|--|--------|-----------|-------|-------|-------|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1651191-1 |        |           |       |       |       |        |
| Delta-BHC  | ND     |           | ug/l  | 0.014 | 0.003 | A      |
| Lindane  | ND     |           | ug/l  | 0.014 | 0.003 | A      |
| Alpha-BHC  | ND     |           | ug/l  | 0.014 | 0.003 | A      |
| Beta-BHC   | ND     |           | ug/l  | 0.014 | 0.004 | A      |
| Heptachlor   | ND     |           | ug/l  | 0.014 | 0.002 | A      |
| Aldrin   | ND     |           | ug/l  | 0.014 | 0.002 | A      |
| Heptachlor epoxide   | ND     |           | ug/l  | 0.014 | 0.003 | A      |
| Endrin   | ND     |           | ug/l  | 0.029 | 0.003 | A      |
| Endrin aldehyde  | ND     |           | ug/l  | 0.029 | 0.006 | A      |
| Endrin ketone  | ND     |           | ug/l  | 0.029 | 0.003 | A      |
| Dieldrin   | ND     |           | ug/l  | 0.029 | 0.003 | A      |
| 4,4'-DDE   | ND     |           | ug/l  | 0.029 | 0.003 | A      |
| 4,4'-DDD   | ND     |           | ug/l  | 0.029 | 0.003 | A      |
| 4,4'-DDT   | ND     |           | ug/l  | 0.029 | 0.003 | A      |
| Endosulfan I   | ND     |           | ug/l  | 0.014 | 0.002 | A      |
| Endosulfan II  | ND     |           | ug/l  | 0.029 | 0.004 | A      |
| Endosulfan sulfate   | ND     |           | ug/l  | 0.029 | 0.003 | A      |
| Methoxychlor   | ND     |           | ug/l  | 0.143 | 0.005 | A      |
| Toxaphene  | ND     |           | ug/l  | 0.143 | 0.045 | A      |
| cis-Chlordane  | ND     |           | ug/l  | 0.014 | 0.005 | A      |
| trans-Chlordane  | ND     |           | ug/l  | 0.014 | 0.004 | A      |
| Chlordane  | ND     |           | ug/l  | 0.143 | 0.033 | A      |

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 06/16/22 12:51  
Analyst: AR

Extraction Method: EPA 3510C  
Extraction Date: 06/15/22 23:36

| Parameter  | Result | Qualifier | Units | RL | MDL | Column |
|--|--------|-----------|-------|----|-----|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1651191-1 |        |           |       |    |     |        |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 65        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 81        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 58        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 93        |           | 30-150                 | B      |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02-07 Batch: WG1650595-2 WG1650595-3 |                  |      |                   |      |                     |     |      |               |        |
| Delta-BHC  | 71               |      | 84                |      | 30-150              | 17  |      | 30            | A      |
| Lindane  | 73               |      | 85                |      | 30-150              | 15  |      | 30            | A      |
| Alpha-BHC  | 73               |      | 86                |      | 30-150              | 16  |      | 30            | A      |
| Beta-BHC   | 83               |      | 97                |      | 30-150              | 16  |      | 30            | A      |
| Heptachlor   | 77               |      | 90                |      | 30-150              | 16  |      | 30            | A      |
| Aldrin   | 69               |      | 81                |      | 30-150              | 16  |      | 30            | A      |
| Heptachlor epoxide   | 62               |      | 75                |      | 30-150              | 19  |      | 30            | A      |
| Endrin   | 73               |      | 88                |      | 30-150              | 19  |      | 30            | A      |
| Endrin aldehyde  | 58               |      | 67                |      | 30-150              | 14  |      | 30            | A      |
| Endrin ketone  | 78               |      | 95                |      | 30-150              | 20  |      | 30            | A      |
| Dieldrin   | 71               |      | 84                |      | 30-150              | 17  |      | 30            | A      |
| 4,4'-DDE   | 72               |      | 85                |      | 30-150              | 17  |      | 30            | A      |
| 4,4'-DDD   | 81               |      | 98                |      | 30-150              | 19  |      | 30            | A      |
| 4,4'-DDT   | 79               |      | 99                |      | 30-150              | 22  |      | 30            | A      |
| Endosulfan I   | 66               |      | 78                |      | 30-150              | 17  |      | 30            | A      |
| Endosulfan II  | 70               |      | 84                |      | 30-150              | 18  |      | 30            | A      |
| Endosulfan sulfate   | 60               |      | 74                |      | 30-150              | 21  |      | 30            | A      |
| Methoxychlor   | 90               |      | 107               |      | 30-150              | 17  |      | 30            | A      |
| cis-Chlordane  | 61               |      | 72                |      | 30-150              | 17  |      | 30            | A      |
| trans-Chlordane  | 72               |      | 87                |      | 30-150              | 19  |      | 30            | A      |

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

| Parameter  | <i>LCS</i><br>%Recovery | <i>Qual</i> | <i>LCSD</i><br>%Recovery | <i>Qual</i> | <i>%Recovery</i><br>Limits | <i>RPD</i> | <i>Qual</i> | <i>RPD</i><br>Limits |
|--|-------------------------|-------------|--------------------------|-------------|----------------------------|------------|-------------|----------------------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02-07 Batch: WG1650595-2 WG1650595-3 |                         |             |                          |             |                            |            |             |                      |

| <i>Surrogate</i>             | <i>LCS</i><br>%Recovery | <i>Qual</i> | <i>LCSD</i><br>%Recovery | <i>Qual</i> | <i>Acceptance</i><br>Criteria | <i>Column</i> |
|------------------------------|-------------------------|-------------|--------------------------|-------------|-------------------------------|---------------|
| 2,4,5,6-Tetrachloro-m-xylene | 68                      |             | 74                       |             | 30-150                        | A             |
| Decachlorobiphenyl           | 80                      |             | 94                       |             | 30-150                        | A             |
| 2,4,5,6-Tetrachloro-m-xylene | 73                      |             | 78                       |             | 30-150                        | B             |
| Decachlorobiphenyl           | 94                      |             | 106                      |             | 30-150                        | B             |

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 02-07 Batch: WG1650877-2 WG1650877-3 |                  |      |                   |      |                     |     |      |               |        |
| MCP P   | 118              |      | 127               |      | 30-150              | 7   |      | 30            | A      |
| MCPA  | 95               |      | 96                |      | 30-150              | 1   |      | 30            | A      |
| Dalapon   | 72               |      | 81                |      | 30-150              | 12  |      | 30            | A      |
| Dicamba   | 100              |      | 107               |      | 30-150              | 7   |      | 30            | A      |
| Dichloroprop  | 128              |      | 127               |      | 30-150              | 1   |      | 30            | A      |
| 2,4-D   | 109              |      | 116               |      | 30-150              | 6   |      | 30            | A      |
| 2,4-DB  | 84               |      | 85                |      | 30-150              | 1   |      | 30            | A      |
| 2,4,5-T   | 102              |      | 107               |      | 30-150              | 5   |      | 30            | A      |
| 2,4,5-TP (Silvex)   | 102              |      | 106               |      | 30-150              | 4   |      | 30            | A      |

| Surrogate | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|-----------|------------------|------|-------------------|------|------------------------|--------|
| DCAA      | 109              |      | 116               |      | 30-150                 | A      |
| DCAA      | 107              |      | 109               |      | 30-150                 | B      |

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1651091-2 WG1651091-3 |                  |      |                   |      |                     |     |      |               |        |
| MCPP   | 119              |      | 131               |      | 30-150              | 10  |      | 25            | A      |
| MCPA   | 104              |      | 106               |      | 30-150              | 2   |      | 25            | A      |
| Dalapon  | 66               |      | 98                |      | 30-150              | 39  | Q    | 25            | A      |
| Dicamba  | 98               |      | 106               |      | 30-150              | 8   |      | 25            | A      |
| Dichloroprop   | 133              |      | 109               |      | 30-150              | 20  |      | 25            | A      |
| 2,4-D  | 110              |      | 111               |      | 30-150              | 1   |      | 25            | A      |
| 2,4-DB   | 90               |      | 95                |      | 30-150              | 5   |      | 25            | A      |
| 2,4,5-T  | 98               |      | 98                |      | 30-150              | 0   |      | 25            | A      |
| 2,4,5-TP (Silvex)  | 100              |      | 98                |      | 30-150              | 2   |      | 25            | A      |
| Dinoseb  | 82               |      | 81                |      | 30-150              | 1   |      | 25            | A      |

| Surrogate | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|-----------|------------------|------|-------------------|------|------------------------|--------|
| DCAA      | 114              |      | 115               |      | 30-150                 | A      |
| DCAA      | 116              |      | 117               |      | 30-150                 | B      |





## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1651191-2 WG1651191-3 |                  |      |                   |      |                     |     |      |               |        |
| Delta-BHC   | 46               |      | 44                |      | 30-150              | 4   |      | 20            | A      |
| Lindane   | 64               |      | 62                |      | 30-150              | 4   |      | 20            | A      |
| Alpha-BHC   | 66               |      | 64                |      | 30-150              | 3   |      | 20            | A      |
| Beta-BHC  | 63               |      | 61                |      | 30-150              | 3   |      | 20            | A      |
| Heptachlor  | 64               |      | 61                |      | 30-150              | 6   |      | 20            | A      |
| Aldrin  | 62               |      | 58                |      | 30-150              | 7   |      | 20            | A      |
| Heptachlor epoxide  | 63               |      | 59                |      | 30-150              | 6   |      | 20            | A      |
| Endrin  | 67               |      | 62                |      | 30-150              | 7   |      | 20            | A      |
| Endrin aldehyde   | 58               |      | 55                |      | 30-150              | 5   |      | 20            | A      |
| Endrin ketone   | 73               |      | 68                |      | 30-150              | 8   |      | 20            | A      |
| Dieldrin  | 69               |      | 64                |      | 30-150              | 7   |      | 20            | A      |
| 4,4'-DDE  | 64               |      | 59                |      | 30-150              | 8   |      | 20            | A      |
| 4,4'-DDD  | 69               |      | 64                |      | 30-150              | 8   |      | 20            | A      |
| 4,4'-DDT  | 67               |      | 62                |      | 30-150              | 8   |      | 20            | A      |
| Endosulfan I  | 64               |      | 59                |      | 30-150              | 8   |      | 20            | A      |
| Endosulfan II   | 66               |      | 61                |      | 30-150              | 7   |      | 20            | A      |
| Endosulfan sulfate  | 65               |      | 61                |      | 30-150              | 7   |      | 20            | A      |
| Methoxychlor  | 69               |      | 63                |      | 30-150              | 9   |      | 20            | A      |
| cis-Chlordane   | 57               |      | 53                |      | 30-150              | 8   |      | 20            | A      |
| trans-Chlordane   | 64               |      | 60                |      | 30-150              | 7   |      | 20            | A      |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

| Parameter | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
|-----------|------------------|------|-------------------|------|---------------------|-----|------|---------------|

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1651191-2 WG1651191-3

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 63               |      | 63                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 78               |      | 70                |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 57               |      | 59                |      | 30-150                 | B      |
| Decachlorobiphenyl           | 90               |      | 80                |      | 30-150                 | B      |

## METALS

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

## SAMPLE RESULTS

Lab ID: L2231237-01

Date Collected: 06/13/22 09:00

Client ID: FB\_061322

Date Received: 06/13/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

Matrix: Water

| Parameter                           | Result  | Qualifier | Units | RL      | MDL     | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|-------------------------------------|---------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Mansfield Lab</b> |         |           |       |         |         |                 |                |                |             |                   |         |
| Aluminum, Total                     | ND      |           | mg/l  | 0.0100  | 0.00327 | 1               | 06/18/22 07:00 | 06/20/22 18:16 | EPA 3005A   | 1,6020B           | CD      |
| Antimony, Total                     | ND      |           | mg/l  | 0.00400 | 0.00042 | 1               | 06/18/22 07:00 | 06/20/22 18:16 | EPA 3005A   | 1,6020B           | CD      |
| Arsenic, Total                      | ND      |           | mg/l  | 0.00050 | 0.00016 | 1               | 06/18/22 07:00 | 06/20/22 18:16 | EPA 3005A   | 1,6020B           | CD      |
| Barium, Total                       | 0.00024 | J         | mg/l  | 0.00050 | 0.00017 | 1               | 06/18/22 07:00 | 06/20/22 18:16 | EPA 3005A   | 1,6020B           | CD      |
| Beryllium, Total                    | ND      |           | mg/l  | 0.00050 | 0.00010 | 1               | 06/18/22 07:00 | 06/20/22 18:16 | EPA 3005A   | 1,6020B           | CD      |
| Cadmium, Total                      | ND      |           | mg/l  | 0.00020 | 0.00005 | 1               | 06/18/22 07:00 | 06/20/22 18:16 | EPA 3005A   | 1,6020B           | CD      |
| Calcium, Total                      | ND      |           | mg/l  | 0.100   | 0.0394  | 1               | 06/18/22 07:00 | 06/20/22 18:16 | EPA 3005A   | 1,6020B           | CD      |
| Chromium, Total                     | ND      |           | mg/l  | 0.00100 | 0.00017 | 1               | 06/18/22 07:00 | 06/20/22 18:16 | EPA 3005A   | 1,6020B           | CD      |
| Cobalt, Total                       | ND      |           | mg/l  | 0.00050 | 0.00016 | 1               | 06/18/22 07:00 | 06/20/22 18:16 | EPA 3005A   | 1,6020B           | CD      |
| Copper, Total                       | ND      |           | mg/l  | 0.00100 | 0.00038 | 1               | 06/18/22 07:00 | 06/20/22 18:16 | EPA 3005A   | 1,6020B           | CD      |
| Iron, Total                         | ND      |           | mg/l  | 0.0500  | 0.0191  | 1               | 06/18/22 07:00 | 06/20/22 18:16 | EPA 3005A   | 1,6020B           | CD      |
| Lead, Total                         | ND      |           | mg/l  | 0.00100 | 0.00034 | 1               | 06/18/22 07:00 | 06/20/22 18:16 | EPA 3005A   | 1,6020B           | CD      |
| Magnesium, Total                    | ND      |           | mg/l  | 0.0700  | 0.0242  | 1               | 06/18/22 07:00 | 06/20/22 18:16 | EPA 3005A   | 1,6020B           | CD      |
| Manganese, Total                    | ND      |           | mg/l  | 0.00100 | 0.00044 | 1               | 06/18/22 07:00 | 06/20/22 18:16 | EPA 3005A   | 1,6020B           | CD      |
| Mercury, Total                      | ND      |           | mg/l  | 0.00020 | 0.00009 | 1               | 06/18/22 07:40 | 06/23/22 10:34 | EPA 7470A   | 1,7470A           | DMB     |
| Nickel, Total                       | ND      |           | mg/l  | 0.00200 | 0.00055 | 1               | 06/18/22 07:00 | 06/20/22 18:16 | EPA 3005A   | 1,6020B           | CD      |
| Potassium, Total                    | ND      |           | mg/l  | 0.100   | 0.0309  | 1               | 06/18/22 07:00 | 06/20/22 18:16 | EPA 3005A   | 1,6020B           | CD      |
| Selenium, Total                     | ND      |           | mg/l  | 0.00500 | 0.00173 | 1               | 06/18/22 07:00 | 06/20/22 18:16 | EPA 3005A   | 1,6020B           | CD      |
| Silver, Total                       | ND      |           | mg/l  | 0.00040 | 0.00016 | 1               | 06/18/22 07:00 | 06/20/22 18:16 | EPA 3005A   | 1,6020B           | CD      |
| Sodium, Total                       | ND      |           | mg/l  | 0.100   | 0.0293  | 1               | 06/18/22 07:00 | 06/20/22 18:16 | EPA 3005A   | 1,6020B           | CD      |
| Thallium, Total                     | ND      |           | mg/l  | 0.00100 | 0.00014 | 1               | 06/18/22 07:00 | 06/20/22 18:16 | EPA 3005A   | 1,6020B           | CD      |
| Vanadium, Total                     | ND      |           | mg/l  | 0.00500 | 0.00157 | 1               | 06/18/22 07:00 | 06/20/22 18:16 | EPA 3005A   | 1,6020B           | CD      |
| Zinc, Total                         | ND      |           | mg/l  | 0.01000 | 0.00341 | 1               | 06/18/22 07:00 | 06/20/22 18:16 | EPA 3005A   | 1,6020B           | CD      |



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

## SAMPLE RESULTS

Lab ID: L2231237-02

Date Collected: 06/13/22 10:00

Client ID: SB014(0-2)

Date Received: 06/13/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 97%

| Parameter                           | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Mansfield Lab</b> |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total                     | 3800   |           | mg/kg | 7.89  | 2.13  | 2               | 06/21/22 07:00 | 06/24/22 18:21 | EPA 3050B   | 1,6010D           | MC      |
| Antimony, Total                     | ND     |           | mg/kg | 3.94  | 0.300 | 2               | 06/21/22 07:00 | 06/24/22 18:21 | EPA 3050B   | 1,6010D           | MC      |
| Arsenic, Total                      | 2.17   |           | mg/kg | 0.789 | 0.164 | 2               | 06/21/22 07:00 | 06/24/22 18:21 | EPA 3050B   | 1,6010D           | MC      |
| Barium, Total                       | 30.9   |           | mg/kg | 0.789 | 0.137 | 2               | 06/21/22 07:00 | 06/24/22 18:21 | EPA 3050B   | 1,6010D           | MC      |
| Beryllium, Total                    | 0.118  | J         | mg/kg | 0.394 | 0.026 | 2               | 06/21/22 07:00 | 06/24/22 18:21 | EPA 3050B   | 1,6010D           | MC      |
| Cadmium, Total                      | 0.252  | J         | mg/kg | 0.789 | 0.077 | 2               | 06/21/22 07:00 | 06/24/22 18:21 | EPA 3050B   | 1,6010D           | MC      |
| Calcium, Total                      | 59400  |           | mg/kg | 7.89  | 2.76  | 2               | 06/21/22 07:00 | 06/24/22 18:21 | EPA 3050B   | 1,6010D           | MC      |
| Chromium, Total                     | 5.51   |           | mg/kg | 0.789 | 0.076 | 2               | 06/21/22 07:00 | 06/24/22 18:21 | EPA 3050B   | 1,6010D           | MC      |
| Cobalt, Total                       | 5.18   |           | mg/kg | 1.58  | 0.131 | 2               | 06/21/22 07:00 | 06/24/22 18:21 | EPA 3050B   | 1,6010D           | MC      |
| Copper, Total                       | 68.8   |           | mg/kg | 0.789 | 0.204 | 2               | 06/21/22 07:00 | 06/24/22 18:21 | EPA 3050B   | 1,6010D           | MC      |
| Iron, Total                         | 14000  |           | mg/kg | 3.94  | 0.712 | 2               | 06/21/22 07:00 | 06/24/22 18:21 | EPA 3050B   | 1,6010D           | MC      |
| Lead, Total                         | 47.8   |           | mg/kg | 3.94  | 0.211 | 2               | 06/21/22 07:00 | 06/24/22 18:21 | EPA 3050B   | 1,6010D           | MC      |
| Magnesium, Total                    | 24800  |           | mg/kg | 7.89  | 1.22  | 2               | 06/21/22 07:00 | 06/24/22 18:21 | EPA 3050B   | 1,6010D           | MC      |
| Manganese, Total                    | 160    |           | mg/kg | 0.789 | 0.125 | 2               | 06/21/22 07:00 | 06/24/22 18:21 | EPA 3050B   | 1,6010D           | MC      |
| Mercury, Total                      | 0.068  |           | mg/kg | 0.066 | 0.043 | 1               | 06/21/22 11:15 | 06/24/22 10:44 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                       | 5.40   |           | mg/kg | 1.97  | 0.191 | 2               | 06/21/22 07:00 | 06/24/22 18:21 | EPA 3050B   | 1,6010D           | MC      |
| Potassium, Total                    | 619    |           | mg/kg | 197   | 11.4  | 2               | 06/21/22 07:00 | 06/24/22 18:21 | EPA 3050B   | 1,6010D           | MC      |
| Selenium, Total                     | ND     |           | mg/kg | 1.58  | 0.204 | 2               | 06/21/22 07:00 | 06/24/22 18:21 | EPA 3050B   | 1,6010D           | MC      |
| Silver, Total                       | ND     |           | mg/kg | 0.789 | 0.223 | 2               | 06/21/22 07:00 | 06/24/22 18:21 | EPA 3050B   | 1,6010D           | MC      |
| Sodium, Total                       | 187    |           | mg/kg | 158   | 2.48  | 2               | 06/21/22 07:00 | 06/24/22 18:21 | EPA 3050B   | 1,6010D           | MC      |
| Thallium, Total                     | ND     |           | mg/kg | 1.58  | 0.248 | 2               | 06/21/22 07:00 | 06/24/22 18:21 | EPA 3050B   | 1,6010D           | MC      |
| Vanadium, Total                     | 33.6   |           | mg/kg | 0.789 | 0.160 | 2               | 06/21/22 07:00 | 06/24/22 18:21 | EPA 3050B   | 1,6010D           | MC      |
| Zinc, Total                         | 63.5   |           | mg/kg | 3.94  | 0.231 | 2               | 06/21/22 07:00 | 06/24/22 18:21 | EPA 3050B   | 1,6010D           | MC      |



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

## SAMPLE RESULTS

Lab ID: L2231237-03

Date Collected: 06/13/22 11:40

Client ID: SB015(0-2)

Date Received: 06/13/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 92%

| Parameter                           | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Mansfield Lab</b> |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total                     | 5100   |           | mg/kg | 8.29  | 2.24  | 2               | 06/21/22 07:00 | 06/24/22 18:26 | EPA 3050B   | 1,6010D           | MC      |
| Antimony, Total                     | ND     |           | mg/kg | 4.14  | 0.315 | 2               | 06/21/22 07:00 | 06/24/22 18:26 | EPA 3050B   | 1,6010D           | MC      |
| Arsenic, Total                      | 2.34   |           | mg/kg | 0.829 | 0.172 | 2               | 06/21/22 07:00 | 06/24/22 18:26 | EPA 3050B   | 1,6010D           | MC      |
| Barium, Total                       | 44.5   |           | mg/kg | 0.829 | 0.144 | 2               | 06/21/22 07:00 | 06/24/22 18:26 | EPA 3050B   | 1,6010D           | MC      |
| Beryllium, Total                    | 0.224  | J         | mg/kg | 0.414 | 0.027 | 2               | 06/21/22 07:00 | 06/24/22 18:26 | EPA 3050B   | 1,6010D           | MC      |
| Cadmium, Total                      | 0.265  | J         | mg/kg | 0.829 | 0.081 | 2               | 06/21/22 07:00 | 06/24/22 18:26 | EPA 3050B   | 1,6010D           | MC      |
| Calcium, Total                      | 29900  |           | mg/kg | 8.29  | 2.90  | 2               | 06/21/22 07:00 | 06/24/22 18:26 | EPA 3050B   | 1,6010D           | MC      |
| Chromium, Total                     | 9.71   |           | mg/kg | 0.829 | 0.080 | 2               | 06/21/22 07:00 | 06/24/22 18:26 | EPA 3050B   | 1,6010D           | MC      |
| Cobalt, Total                       | 4.78   |           | mg/kg | 1.66  | 0.138 | 2               | 06/21/22 07:00 | 06/24/22 18:26 | EPA 3050B   | 1,6010D           | MC      |
| Copper, Total                       | 57.9   |           | mg/kg | 0.829 | 0.214 | 2               | 06/21/22 07:00 | 06/24/22 18:26 | EPA 3050B   | 1,6010D           | MC      |
| Iron, Total                         | 11100  |           | mg/kg | 4.14  | 0.748 | 2               | 06/21/22 07:00 | 06/24/22 18:26 | EPA 3050B   | 1,6010D           | MC      |
| Lead, Total                         | 56.3   |           | mg/kg | 4.14  | 0.222 | 2               | 06/21/22 07:00 | 06/24/22 18:26 | EPA 3050B   | 1,6010D           | MC      |
| Magnesium, Total                    | 15100  |           | mg/kg | 8.29  | 1.28  | 2               | 06/21/22 07:00 | 06/24/22 18:26 | EPA 3050B   | 1,6010D           | MC      |
| Manganese, Total                    | 138    |           | mg/kg | 0.829 | 0.132 | 2               | 06/21/22 07:00 | 06/24/22 18:26 | EPA 3050B   | 1,6010D           | MC      |
| Mercury, Total                      | 0.181  |           | mg/kg | 0.068 | 0.045 | 1               | 06/21/22 11:15 | 06/24/22 10:47 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                       | 8.81   |           | mg/kg | 2.07  | 0.201 | 2               | 06/21/22 07:00 | 06/24/22 18:26 | EPA 3050B   | 1,6010D           | MC      |
| Potassium, Total                    | 969    |           | mg/kg | 207   | 11.9  | 2               | 06/21/22 07:00 | 06/24/22 18:26 | EPA 3050B   | 1,6010D           | MC      |
| Selenium, Total                     | ND     |           | mg/kg | 1.66  | 0.214 | 2               | 06/21/22 07:00 | 06/24/22 18:26 | EPA 3050B   | 1,6010D           | MC      |
| Silver, Total                       | ND     |           | mg/kg | 0.829 | 0.235 | 2               | 06/21/22 07:00 | 06/24/22 18:26 | EPA 3050B   | 1,6010D           | MC      |
| Sodium, Total                       | 122    | J         | mg/kg | 166   | 2.61  | 2               | 06/21/22 07:00 | 06/24/22 18:26 | EPA 3050B   | 1,6010D           | MC      |
| Thallium, Total                     | ND     |           | mg/kg | 1.66  | 0.261 | 2               | 06/21/22 07:00 | 06/24/22 18:26 | EPA 3050B   | 1,6010D           | MC      |
| Vanadium, Total                     | 23.6   |           | mg/kg | 0.829 | 0.168 | 2               | 06/21/22 07:00 | 06/24/22 18:26 | EPA 3050B   | 1,6010D           | MC      |
| Zinc, Total                         | 72.7   |           | mg/kg | 4.14  | 0.243 | 2               | 06/21/22 07:00 | 06/24/22 18:26 | EPA 3050B   | 1,6010D           | MC      |



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

## SAMPLE RESULTS

Lab ID: L2231237-04  
 Client ID: SB014(10-12)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 12:30  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 92%

| Parameter                           | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Mansfield Lab</b> |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total                     | 1100   |           | mg/kg | 8.36  | 2.26  | 2               | 06/21/22 07:00 | 06/24/22 18:30 | EPA 3050B   | 1,6010D           | MC      |
| Antimony, Total                     | ND     |           | mg/kg | 4.18  | 0.318 | 2               | 06/21/22 07:00 | 06/24/22 18:30 | EPA 3050B   | 1,6010D           | MC      |
| Arsenic, Total                      | 1.37   |           | mg/kg | 0.836 | 0.174 | 2               | 06/21/22 07:00 | 06/24/22 18:30 | EPA 3050B   | 1,6010D           | MC      |
| Barium, Total                       | 1390   |           | mg/kg | 4.18  | 0.727 | 10              | 06/21/22 07:00 | 06/24/22 21:06 | EPA 3050B   | 1,6010D           | MC      |
| Beryllium, Total                    | 0.059  | J         | mg/kg | 0.418 | 0.028 | 2               | 06/21/22 07:00 | 06/24/22 18:30 | EPA 3050B   | 1,6010D           | MC      |
| Cadmium, Total                      | 0.384  | J         | mg/kg | 0.836 | 0.082 | 2               | 06/21/22 07:00 | 06/24/22 18:30 | EPA 3050B   | 1,6010D           | MC      |
| Calcium, Total                      | 54600  |           | mg/kg | 8.36  | 2.92  | 2               | 06/21/22 07:00 | 06/24/22 18:30 | EPA 3050B   | 1,6010D           | MC      |
| Chromium, Total                     | 3.99   |           | mg/kg | 0.836 | 0.080 | 2               | 06/21/22 07:00 | 06/24/22 18:30 | EPA 3050B   | 1,6010D           | MC      |
| Cobalt, Total                       | 0.994  | J         | mg/kg | 1.67  | 0.139 | 2               | 06/21/22 07:00 | 06/24/22 18:30 | EPA 3050B   | 1,6010D           | MC      |
| Copper, Total                       | 3.12   |           | mg/kg | 0.836 | 0.216 | 2               | 06/21/22 07:00 | 06/24/22 18:30 | EPA 3050B   | 1,6010D           | MC      |
| Iron, Total                         | 2730   |           | mg/kg | 4.18  | 0.755 | 2               | 06/21/22 07:00 | 06/24/22 18:30 | EPA 3050B   | 1,6010D           | MC      |
| Lead, Total                         | 776    |           | mg/kg | 4.18  | 0.224 | 2               | 06/21/22 07:00 | 06/24/22 18:30 | EPA 3050B   | 1,6010D           | MC      |
| Magnesium, Total                    | 2210   |           | mg/kg | 8.36  | 1.29  | 2               | 06/21/22 07:00 | 06/24/22 18:30 | EPA 3050B   | 1,6010D           | MC      |
| Manganese, Total                    | 86.5   |           | mg/kg | 0.836 | 0.133 | 2               | 06/21/22 07:00 | 06/24/22 18:30 | EPA 3050B   | 1,6010D           | MC      |
| Mercury, Total                      | 3.73   |           | mg/kg | 0.136 | 0.089 | 2               | 06/21/22 11:15 | 06/24/22 15:01 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                       | 3.91   |           | mg/kg | 2.09  | 0.202 | 2               | 06/21/22 07:00 | 06/24/22 18:30 | EPA 3050B   | 1,6010D           | MC      |
| Potassium, Total                    | 341    |           | mg/kg | 209   | 12.0  | 2               | 06/21/22 07:00 | 06/24/22 18:30 | EPA 3050B   | 1,6010D           | MC      |
| Selenium, Total                     | 0.434  | J         | mg/kg | 1.67  | 0.216 | 2               | 06/21/22 07:00 | 06/24/22 18:30 | EPA 3050B   | 1,6010D           | MC      |
| Silver, Total                       | ND     |           | mg/kg | 0.836 | 0.236 | 2               | 06/21/22 07:00 | 06/24/22 18:30 | EPA 3050B   | 1,6010D           | MC      |
| Sodium, Total                       | 45.9   | J         | mg/kg | 167   | 2.63  | 2               | 06/21/22 07:00 | 06/24/22 18:30 | EPA 3050B   | 1,6010D           | MC      |
| Thallium, Total                     | ND     |           | mg/kg | 1.67  | 0.263 | 2               | 06/21/22 07:00 | 06/24/22 18:30 | EPA 3050B   | 1,6010D           | MC      |
| Vanadium, Total                     | 5.19   |           | mg/kg | 0.836 | 0.170 | 2               | 06/21/22 07:00 | 06/24/22 18:30 | EPA 3050B   | 1,6010D           | MC      |
| Zinc, Total                         | 501    |           | mg/kg | 4.18  | 0.245 | 2               | 06/21/22 07:00 | 06/24/22 18:30 | EPA 3050B   | 1,6010D           | MC      |



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

## SAMPLE RESULTS

Lab ID: L2231237-05  
 Client ID: SB014(14-16)  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 12:40  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 90%

| Parameter                           | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Mansfield Lab</b> |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total                     | 6720   |           | mg/kg | 8.41  | 2.27  | 2               | 06/21/22 07:00 | 06/24/22 18:35 | EPA 3050B   | 1,6010D           | MC      |
| Antimony, Total                     | 1.51   | J         | mg/kg | 4.20  | 0.320 | 2               | 06/21/22 07:00 | 06/24/22 18:35 | EPA 3050B   | 1,6010D           | MC      |
| Arsenic, Total                      | 21.5   |           | mg/kg | 0.841 | 0.175 | 2               | 06/21/22 07:00 | 06/24/22 18:35 | EPA 3050B   | 1,6010D           | MC      |
| Barium, Total                       | 110    |           | mg/kg | 0.841 | 0.146 | 2               | 06/21/22 07:00 | 06/24/22 18:35 | EPA 3050B   | 1,6010D           | MC      |
| Beryllium, Total                    | 0.387  | J         | mg/kg | 0.420 | 0.028 | 2               | 06/21/22 07:00 | 06/24/22 18:35 | EPA 3050B   | 1,6010D           | MC      |
| Cadmium, Total                      | 0.353  | J         | mg/kg | 0.841 | 0.082 | 2               | 06/21/22 07:00 | 06/24/22 18:35 | EPA 3050B   | 1,6010D           | MC      |
| Calcium, Total                      | 2120   |           | mg/kg | 8.41  | 2.94  | 2               | 06/21/22 07:00 | 06/24/22 18:35 | EPA 3050B   | 1,6010D           | MC      |
| Chromium, Total                     | 15.7   |           | mg/kg | 0.841 | 0.081 | 2               | 06/21/22 07:00 | 06/24/22 18:35 | EPA 3050B   | 1,6010D           | MC      |
| Cobalt, Total                       | 5.08   |           | mg/kg | 1.68  | 0.140 | 2               | 06/21/22 07:00 | 06/24/22 18:35 | EPA 3050B   | 1,6010D           | MC      |
| Copper, Total                       | 348    |           | mg/kg | 0.841 | 0.217 | 2               | 06/21/22 07:00 | 06/24/22 18:35 | EPA 3050B   | 1,6010D           | MC      |
| Iron, Total                         | 13200  |           | mg/kg | 4.20  | 0.759 | 2               | 06/21/22 07:00 | 06/24/22 18:35 | EPA 3050B   | 1,6010D           | MC      |
| Lead, Total                         | 183    |           | mg/kg | 4.20  | 0.225 | 2               | 06/21/22 07:00 | 06/24/22 18:35 | EPA 3050B   | 1,6010D           | MC      |
| Magnesium, Total                    | 1780   |           | mg/kg | 8.41  | 1.29  | 2               | 06/21/22 07:00 | 06/24/22 18:35 | EPA 3050B   | 1,6010D           | MC      |
| Manganese, Total                    | 142    |           | mg/kg | 0.841 | 0.134 | 2               | 06/21/22 07:00 | 06/24/22 18:35 | EPA 3050B   | 1,6010D           | MC      |
| Mercury, Total                      | 0.476  |           | mg/kg | 0.070 | 0.046 | 1               | 06/21/22 11:15 | 06/24/22 10:53 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                       | 13.5   |           | mg/kg | 2.10  | 0.203 | 2               | 06/21/22 07:00 | 06/24/22 18:35 | EPA 3050B   | 1,6010D           | MC      |
| Potassium, Total                    | 583    |           | mg/kg | 210   | 12.1  | 2               | 06/21/22 07:00 | 06/24/22 18:35 | EPA 3050B   | 1,6010D           | MC      |
| Selenium, Total                     | 0.664  | J         | mg/kg | 1.68  | 0.217 | 2               | 06/21/22 07:00 | 06/24/22 18:35 | EPA 3050B   | 1,6010D           | MC      |
| Silver, Total                       | 0.404  | J         | mg/kg | 0.841 | 0.238 | 2               | 06/21/22 07:00 | 06/24/22 18:35 | EPA 3050B   | 1,6010D           | MC      |
| Sodium, Total                       | 79.6   | J         | mg/kg | 168   | 2.65  | 2               | 06/21/22 07:00 | 06/24/22 18:35 | EPA 3050B   | 1,6010D           | MC      |
| Thallium, Total                     | ND     |           | mg/kg | 1.68  | 0.265 | 2               | 06/21/22 07:00 | 06/24/22 18:35 | EPA 3050B   | 1,6010D           | MC      |
| Vanadium, Total                     | 24.2   |           | mg/kg | 0.841 | 0.171 | 2               | 06/21/22 07:00 | 06/24/22 18:35 | EPA 3050B   | 1,6010D           | MC      |
| Zinc, Total                         | 183    |           | mg/kg | 4.20  | 0.246 | 2               | 06/21/22 07:00 | 06/24/22 18:35 | EPA 3050B   | 1,6010D           | MC      |





Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

## SAMPLE RESULTS

Lab ID: L2231237-06

Date Collected: 06/13/22 12:50

Client ID: SB015(6-8)

Date Received: 06/13/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 93%

| Parameter                           | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Mansfield Lab</b> |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total                     | 8410   |           | mg/kg | 8.12  | 2.19  | 2               | 06/21/22 07:00 | 06/24/22 18:40 | EPA 3050B   | 1,6010D           | MC      |
| Antimony, Total                     | ND     |           | mg/kg | 4.06  | 0.308 | 2               | 06/21/22 07:00 | 06/24/22 18:40 | EPA 3050B   | 1,6010D           | MC      |
| Arsenic, Total                      | 2.66   |           | mg/kg | 0.812 | 0.169 | 2               | 06/21/22 07:00 | 06/24/22 18:40 | EPA 3050B   | 1,6010D           | MC      |
| Barium, Total                       | 104    |           | mg/kg | 0.812 | 0.141 | 2               | 06/21/22 07:00 | 06/24/22 18:40 | EPA 3050B   | 1,6010D           | MC      |
| Beryllium, Total                    | 0.406  |           | mg/kg | 0.406 | 0.027 | 2               | 06/21/22 07:00 | 06/24/22 18:40 | EPA 3050B   | 1,6010D           | MC      |
| Cadmium, Total                      | 0.203  | J         | mg/kg | 0.812 | 0.080 | 2               | 06/21/22 07:00 | 06/24/22 18:40 | EPA 3050B   | 1,6010D           | MC      |
| Calcium, Total                      | 11100  |           | mg/kg | 8.12  | 2.84  | 2               | 06/21/22 07:00 | 06/24/22 18:40 | EPA 3050B   | 1,6010D           | MC      |
| Chromium, Total                     | 17.4   |           | mg/kg | 0.812 | 0.078 | 2               | 06/21/22 07:00 | 06/24/22 18:40 | EPA 3050B   | 1,6010D           | MC      |
| Cobalt, Total                       | 10.9   |           | mg/kg | 1.62  | 0.135 | 2               | 06/21/22 07:00 | 06/24/22 18:40 | EPA 3050B   | 1,6010D           | MC      |
| Copper, Total                       | 27.4   |           | mg/kg | 0.812 | 0.209 | 2               | 06/21/22 07:00 | 06/24/22 18:40 | EPA 3050B   | 1,6010D           | MC      |
| Iron, Total                         | 19300  |           | mg/kg | 4.06  | 0.733 | 2               | 06/21/22 07:00 | 06/24/22 18:40 | EPA 3050B   | 1,6010D           | MC      |
| Lead, Total                         | 96.2   |           | mg/kg | 4.06  | 0.218 | 2               | 06/21/22 07:00 | 06/24/22 18:40 | EPA 3050B   | 1,6010D           | MC      |
| Magnesium, Total                    | 5000   |           | mg/kg | 8.12  | 1.25  | 2               | 06/21/22 07:00 | 06/24/22 18:40 | EPA 3050B   | 1,6010D           | MC      |
| Manganese, Total                    | 262    |           | mg/kg | 0.812 | 0.129 | 2               | 06/21/22 07:00 | 06/24/22 18:40 | EPA 3050B   | 1,6010D           | MC      |
| Mercury, Total                      | 1.02   |           | mg/kg | 0.067 | 0.044 | 1               | 06/21/22 11:15 | 06/24/22 10:57 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                       | 17.9   |           | mg/kg | 2.03  | 0.196 | 2               | 06/21/22 07:00 | 06/24/22 18:40 | EPA 3050B   | 1,6010D           | MC      |
| Potassium, Total                    | 4140   |           | mg/kg | 203   | 11.7  | 2               | 06/21/22 07:00 | 06/24/22 18:40 | EPA 3050B   | 1,6010D           | MC      |
| Selenium, Total                     | ND     |           | mg/kg | 1.62  | 0.209 | 2               | 06/21/22 07:00 | 06/24/22 18:40 | EPA 3050B   | 1,6010D           | MC      |
| Silver, Total                       | ND     |           | mg/kg | 0.812 | 0.230 | 2               | 06/21/22 07:00 | 06/24/22 18:40 | EPA 3050B   | 1,6010D           | MC      |
| Sodium, Total                       | 151    | J         | mg/kg | 162   | 2.56  | 2               | 06/21/22 07:00 | 06/24/22 18:40 | EPA 3050B   | 1,6010D           | MC      |
| Thallium, Total                     | ND     |           | mg/kg | 1.62  | 0.256 | 2               | 06/21/22 07:00 | 06/24/22 18:40 | EPA 3050B   | 1,6010D           | MC      |
| Vanadium, Total                     | 27.1   |           | mg/kg | 0.812 | 0.165 | 2               | 06/21/22 07:00 | 06/24/22 18:40 | EPA 3050B   | 1,6010D           | MC      |
| Zinc, Total                         | 81.1   |           | mg/kg | 4.06  | 0.238 | 2               | 06/21/22 07:00 | 06/24/22 18:40 | EPA 3050B   | 1,6010D           | MC      |



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

## SAMPLE RESULTS

Lab ID: L2231237-07

Date Collected: 06/13/22 13:00

Client ID: SB015(12-14)

Date Received: 06/13/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 83%

| Parameter                           | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Mansfield Lab</b> |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total                     | 7580   |           | mg/kg | 9.45  | 2.55  | 2               | 06/21/22 07:00 | 06/24/22 18:44 | EPA 3050B   | 1,6010D           | MC      |
| Antimony, Total                     | ND     |           | mg/kg | 4.72  | 0.359 | 2               | 06/21/22 07:00 | 06/24/22 18:44 | EPA 3050B   | 1,6010D           | MC      |
| Arsenic, Total                      | 1.64   |           | mg/kg | 0.945 | 0.196 | 2               | 06/21/22 07:00 | 06/24/22 18:44 | EPA 3050B   | 1,6010D           | MC      |
| Barium, Total                       | 34.6   |           | mg/kg | 0.945 | 0.164 | 2               | 06/21/22 07:00 | 06/24/22 18:44 | EPA 3050B   | 1,6010D           | MC      |
| Beryllium, Total                    | 0.416  | J         | mg/kg | 0.472 | 0.031 | 2               | 06/21/22 07:00 | 06/24/22 18:44 | EPA 3050B   | 1,6010D           | MC      |
| Cadmium, Total                      | ND     |           | mg/kg | 0.945 | 0.093 | 2               | 06/21/22 07:00 | 06/24/22 18:44 | EPA 3050B   | 1,6010D           | MC      |
| Calcium, Total                      | 1240   |           | mg/kg | 9.45  | 3.31  | 2               | 06/21/22 07:00 | 06/24/22 18:44 | EPA 3050B   | 1,6010D           | MC      |
| Chromium, Total                     | 9.60   |           | mg/kg | 0.945 | 0.091 | 2               | 06/21/22 07:00 | 06/24/22 18:44 | EPA 3050B   | 1,6010D           | MC      |
| Cobalt, Total                       | 3.36   |           | mg/kg | 1.89  | 0.157 | 2               | 06/21/22 07:00 | 06/24/22 18:44 | EPA 3050B   | 1,6010D           | MC      |
| Copper, Total                       | 16.6   |           | mg/kg | 0.945 | 0.244 | 2               | 06/21/22 07:00 | 06/24/22 18:44 | EPA 3050B   | 1,6010D           | MC      |
| Iron, Total                         | 8280   |           | mg/kg | 4.72  | 0.853 | 2               | 06/21/22 07:00 | 06/24/22 18:44 | EPA 3050B   | 1,6010D           | MC      |
| Lead, Total                         | 20.6   |           | mg/kg | 4.72  | 0.253 | 2               | 06/21/22 07:00 | 06/24/22 18:44 | EPA 3050B   | 1,6010D           | MC      |
| Magnesium, Total                    | 1320   |           | mg/kg | 9.45  | 1.45  | 2               | 06/21/22 07:00 | 06/24/22 18:44 | EPA 3050B   | 1,6010D           | MC      |
| Manganese, Total                    | 136    |           | mg/kg | 0.945 | 0.150 | 2               | 06/21/22 07:00 | 06/24/22 18:44 | EPA 3050B   | 1,6010D           | MC      |
| Mercury, Total                      | 0.102  |           | mg/kg | 0.077 | 0.050 | 1               | 06/21/22 11:15 | 06/24/22 11:00 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                       | 6.22   |           | mg/kg | 2.36  | 0.229 | 2               | 06/21/22 07:00 | 06/24/22 18:44 | EPA 3050B   | 1,6010D           | MC      |
| Potassium, Total                    | 323    |           | mg/kg | 236   | 13.6  | 2               | 06/21/22 07:00 | 06/24/22 18:44 | EPA 3050B   | 1,6010D           | MC      |
| Selenium, Total                     | ND     |           | mg/kg | 1.89  | 0.244 | 2               | 06/21/22 07:00 | 06/24/22 18:44 | EPA 3050B   | 1,6010D           | MC      |
| Silver, Total                       | ND     |           | mg/kg | 0.945 | 0.267 | 2               | 06/21/22 07:00 | 06/24/22 18:44 | EPA 3050B   | 1,6010D           | MC      |
| Sodium, Total                       | 43.3   | J         | mg/kg | 189   | 2.98  | 2               | 06/21/22 07:00 | 06/24/22 18:44 | EPA 3050B   | 1,6010D           | MC      |
| Thallium, Total                     | ND     |           | mg/kg | 1.89  | 0.298 | 2               | 06/21/22 07:00 | 06/24/22 18:44 | EPA 3050B   | 1,6010D           | MC      |
| Vanadium, Total                     | 14.4   |           | mg/kg | 0.945 | 0.192 | 2               | 06/21/22 07:00 | 06/24/22 18:44 | EPA 3050B   | 1,6010D           | MC      |
| Zinc, Total                         | 31.9   |           | mg/kg | 4.72  | 0.277 | 2               | 06/21/22 07:00 | 06/24/22 18:44 | EPA 3050B   | 1,6010D           | MC      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

## Method Blank Analysis Batch Quality Control

| Parameter   | Result  | Qualifier | Units | RL      | MDL     | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|---|---------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1651647-1 |         |           |       |         |         |                 |                |                |                   |         |
| Aluminum, Total   | ND      |           | mg/l  | 0.0100  | 0.00327 | 1               | 06/18/22 07:00 | 06/20/22 17:55 | 1,6020B           | CD      |
| Antimony, Total   | ND      |           | mg/l  | 0.00400 | 0.00042 | 1               | 06/18/22 07:00 | 06/20/22 17:55 | 1,6020B           | CD      |
| Arsenic, Total  | ND      |           | mg/l  | 0.00050 | 0.00016 | 1               | 06/18/22 07:00 | 06/20/22 17:55 | 1,6020B           | CD      |
| Barium, Total   | 0.00021 | J         | mg/l  | 0.00050 | 0.00017 | 1               | 06/18/22 07:00 | 06/20/22 17:55 | 1,6020B           | CD      |
| Beryllium, Total  | ND      |           | mg/l  | 0.00050 | 0.00010 | 1               | 06/18/22 07:00 | 06/20/22 17:55 | 1,6020B           | CD      |
| Cadmium, Total  | ND      |           | mg/l  | 0.00020 | 0.00005 | 1               | 06/18/22 07:00 | 06/20/22 17:55 | 1,6020B           | CD      |
| Calcium, Total  | ND      |           | mg/l  | 0.100   | 0.0394  | 1               | 06/18/22 07:00 | 06/20/22 17:55 | 1,6020B           | CD      |
| Chromium, Total   | ND      |           | mg/l  | 0.00100 | 0.00017 | 1               | 06/18/22 07:00 | 06/20/22 17:55 | 1,6020B           | CD      |
| Cobalt, Total   | ND      |           | mg/l  | 0.00050 | 0.00016 | 1               | 06/18/22 07:00 | 06/20/22 17:55 | 1,6020B           | CD      |
| Copper, Total   | ND      |           | mg/l  | 0.00100 | 0.00038 | 1               | 06/18/22 07:00 | 06/20/22 17:55 | 1,6020B           | CD      |
| Iron, Total   | ND      |           | mg/l  | 0.0500  | 0.0191  | 1               | 06/18/22 07:00 | 06/20/22 17:55 | 1,6020B           | CD      |
| Lead, Total   | ND      |           | mg/l  | 0.00100 | 0.00034 | 1               | 06/18/22 07:00 | 06/20/22 17:55 | 1,6020B           | CD      |
| Magnesium, Total  | ND      |           | mg/l  | 0.0700  | 0.0242  | 1               | 06/18/22 07:00 | 06/20/22 17:55 | 1,6020B           | CD      |
| Manganese, Total  | ND      |           | mg/l  | 0.00100 | 0.00044 | 1               | 06/18/22 07:00 | 06/20/22 17:55 | 1,6020B           | CD      |
| Nickel, Total   | ND      |           | mg/l  | 0.00200 | 0.00055 | 1               | 06/18/22 07:00 | 06/20/22 17:55 | 1,6020B           | CD      |
| Potassium, Total  | ND      |           | mg/l  | 0.100   | 0.0309  | 1               | 06/18/22 07:00 | 06/20/22 17:55 | 1,6020B           | CD      |
| Selenium, Total   | ND      |           | mg/l  | 0.00500 | 0.00173 | 1               | 06/18/22 07:00 | 06/20/22 17:55 | 1,6020B           | CD      |
| Silver, Total   | ND      |           | mg/l  | 0.00040 | 0.00016 | 1               | 06/18/22 07:00 | 06/20/22 17:55 | 1,6020B           | CD      |
| Sodium, Total   | ND      |           | mg/l  | 0.100   | 0.0293  | 1               | 06/18/22 07:00 | 06/20/22 17:55 | 1,6020B           | CD      |
| Thallium, Total   | ND      |           | mg/l  | 0.00100 | 0.00014 | 1               | 06/18/22 07:00 | 06/20/22 17:55 | 1,6020B           | CD      |
| Vanadium, Total   | ND      |           | mg/l  | 0.00500 | 0.00157 | 1               | 06/18/22 07:00 | 06/20/22 17:55 | 1,6020B           | CD      |
| Zinc, Total   | ND      |           | mg/l  | 0.01000 | 0.00341 | 1               | 06/18/22 07:00 | 06/20/22 17:55 | 1,6020B           | CD      |

### Prep Information

Digestion Method: EPA 3005A

| Parameter   | Result | Qualifier | Units | RL      | MDL     | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|---|--------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1651650-1 |        |           |       |         |         |                 |                |                |                   |         |
| Mercury, Total  | ND     |           | mg/l  | 0.00020 | 0.00009 | 1               | 06/18/22 07:40 | 06/23/22 10:18 | 1,7470A           | DMB     |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

## Method Blank Analysis Batch Quality Control

### Prep Information

Digestion Method: EPA 7470A

| Parameter  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 02-07 Batch: WG1653007-1 |        |           |       |       |       |                 |                |                |                   |         |
| Aluminum, Total  | ND     |           | mg/kg | 4.00  | 1.08  | 1               | 06/21/22 07:00 | 06/24/22 18:58 | 1,6010D           | MC      |
| Antimony, Total  | ND     |           | mg/kg | 2.00  | 0.152 | 1               | 06/21/22 07:00 | 06/24/22 18:58 | 1,6010D           | MC      |
| Arsenic, Total   | ND     |           | mg/kg | 0.400 | 0.083 | 1               | 06/21/22 07:00 | 06/24/22 18:58 | 1,6010D           | MC      |
| Barium, Total  | ND     |           | mg/kg | 0.400 | 0.070 | 1               | 06/21/22 07:00 | 06/24/22 18:58 | 1,6010D           | MC      |
| Beryllium, Total   | ND     |           | mg/kg | 0.200 | 0.013 | 1               | 06/21/22 07:00 | 06/24/22 18:58 | 1,6010D           | MC      |
| Cadmium, Total   | ND     |           | mg/kg | 0.400 | 0.039 | 1               | 06/21/22 07:00 | 06/24/22 18:58 | 1,6010D           | MC      |
| Calcium, Total   | ND     |           | mg/kg | 4.00  | 1.40  | 1               | 06/21/22 07:00 | 06/24/22 18:58 | 1,6010D           | MC      |
| Chromium, Total  | ND     |           | mg/kg | 0.400 | 0.038 | 1               | 06/21/22 07:00 | 06/24/22 18:58 | 1,6010D           | MC      |
| Cobalt, Total  | ND     |           | mg/kg | 0.800 | 0.066 | 1               | 06/21/22 07:00 | 06/24/22 18:58 | 1,6010D           | MC      |
| Copper, Total  | ND     |           | mg/kg | 0.400 | 0.103 | 1               | 06/21/22 07:00 | 06/24/22 18:58 | 1,6010D           | MC      |
| Iron, Total  | 1.42   | J         | mg/kg | 2.00  | 0.361 | 1               | 06/21/22 07:00 | 06/24/22 18:58 | 1,6010D           | MC      |
| Lead, Total  | ND     |           | mg/kg | 2.00  | 0.107 | 1               | 06/21/22 07:00 | 06/24/22 18:58 | 1,6010D           | MC      |
| Magnesium, Total   | ND     |           | mg/kg | 4.00  | 0.616 | 1               | 06/21/22 07:00 | 06/24/22 18:58 | 1,6010D           | MC      |
| Manganese, Total   | ND     |           | mg/kg | 0.400 | 0.064 | 1               | 06/21/22 07:00 | 06/24/22 18:58 | 1,6010D           | MC      |
| Nickel, Total  | ND     |           | mg/kg | 1.00  | 0.097 | 1               | 06/21/22 07:00 | 06/24/22 18:58 | 1,6010D           | MC      |
| Potassium, Total   | ND     |           | mg/kg | 100   | 5.76  | 1               | 06/21/22 07:00 | 06/24/22 18:58 | 1,6010D           | MC      |
| Selenium, Total  | ND     |           | mg/kg | 0.800 | 0.103 | 1               | 06/21/22 07:00 | 06/24/22 18:58 | 1,6010D           | MC      |
| Silver, Total  | ND     |           | mg/kg | 0.400 | 0.113 | 1               | 06/21/22 07:00 | 06/24/22 18:58 | 1,6010D           | MC      |
| Sodium, Total  | 1.84   | J         | mg/kg | 80.0  | 1.26  | 1               | 06/21/22 07:00 | 06/24/22 18:58 | 1,6010D           | MC      |
| Thallium, Total  | ND     |           | mg/kg | 0.800 | 0.126 | 1               | 06/21/22 07:00 | 06/24/22 18:58 | 1,6010D           | MC      |
| Vanadium, Total  | ND     |           | mg/kg | 0.400 | 0.081 | 1               | 06/21/22 07:00 | 06/24/22 18:58 | 1,6010D           | MC      |
| Zinc, Total  | 0.120  | J         | mg/kg | 2.00  | 0.117 | 1               | 06/21/22 07:00 | 06/24/22 18:58 | 1,6010D           | MC      |

### Prep Information

Digestion Method: EPA 3050B



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

## Method Blank Analysis Batch Quality Control

| Parameter  | Result Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|------------------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 02-07 Batch: WG1653009-1 |                  |       |       |       |                 |                |                |                   |         |
| Mercury, Total   | ND               | mg/kg | 0.083 | 0.054 | 1               | 06/21/22 11:15 | 06/24/22 10:14 | 1,7471B           | DMB     |

### Prep Information

Digestion Method: EPA 7471B

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2231237

**Project Number:** 3883.0001Y000

**Report Date:** 06/25/22

| Parameter  | LCS       |      | LCSD      |      | %Recovery Limits | RPD | Qual | RPD Limits |
|--|-----------|------|-----------|------|------------------|-----|------|------------|
|  | %Recovery | Qual | %Recovery | Qual |                  |     |      |            |
| Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1651647-2 |           |      |           |      |                  |     |      |            |
| Aluminum, Total  | 100       |      | -         |      | 80-120           | -   |      |            |
| Antimony, Total  | 82        |      | -         |      | 80-120           | -   |      |            |
| Arsenic, Total   | 99        |      | -         |      | 80-120           | -   |      |            |
| Barium, Total  | 95        |      | -         |      | 80-120           | -   |      |            |
| Beryllium, Total   | 97        |      | -         |      | 80-120           | -   |      |            |
| Cadmium, Total   | 97        |      | -         |      | 80-120           | -   |      |            |
| Calcium, Total   | 81        |      | -         |      | 80-120           | -   |      |            |
| Chromium, Total  | 101       |      | -         |      | 80-120           | -   |      |            |
| Cobalt, Total  | 99        |      | -         |      | 80-120           | -   |      |            |
| Copper, Total  | 99        |      | -         |      | 80-120           | -   |      |            |
| Iron, Total  | 104       |      | -         |      | 80-120           | -   |      |            |
| Lead, Total  | 97        |      | -         |      | 80-120           | -   |      |            |
| Magnesium, Total   | 94        |      | -         |      | 80-120           | -   |      |            |
| Manganese, Total   | 106       |      | -         |      | 80-120           | -   |      |            |
| Nickel, Total  | 102       |      | -         |      | 80-120           | -   |      |            |
| Potassium, Total   | 100       |      | -         |      | 80-120           | -   |      |            |
| Selenium, Total  | 105       |      | -         |      | 80-120           | -   |      |            |
| Silver, Total  | 101       |      | -         |      | 80-120           | -   |      |            |
| Sodium, Total  | 96        |      | -         |      | 80-120           | -   |      |            |
| Thallium, Total  | 90        |      | -         |      | 80-120           | -   |      |            |
| Vanadium, Total  | 99        |      | -         |      | 80-120           | -   |      |            |

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

| Parameter  | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD    | RPD Limits |
|--|------------------|-------------------|---------------------|--------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1651647-2 |                  |                   |                     |        |            |
| Zinc, Total  | 97               | -                 | 80-120              | -      |            |
| Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1651650-2 |                  |                   |                     |        |            |
| Mercury, Total   | 126              | Q                 | -                   | 80-120 | -          |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2231237

**Project Number:** 3883.0001Y000

**Report Date:** 06/25/22

| Parameter  | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|--|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 02-07 Batch: WG1653007-2 SRM Lot Number: D113-540 |                  |                   |                     |     |            |
| Aluminum, Total  | 72               | -                 | 51-149              | -   |            |
| Antimony, Total  | 149              | -                 | 20-250              | -   |            |
| Arsenic, Total   | 93               | -                 | 70-130              | -   |            |
| Barium, Total  | 90               | -                 | 75-125              | -   |            |
| Beryllium, Total   | 94               | -                 | 75-125              | -   |            |
| Cadmium, Total   | 91               | -                 | 75-125              | -   |            |
| Calcium, Total   | 90               | -                 | 73-128              | -   |            |
| Chromium, Total  | 91               | -                 | 70-130              | -   |            |
| Cobalt, Total  | 94               | -                 | 75-125              | -   |            |
| Copper, Total  | 91               | -                 | 75-125              | -   |            |
| Iron, Total  | 92               | -                 | 36-164              | -   |            |
| Lead, Total  | 93               | -                 | 72-128              | -   |            |
| Magnesium, Total   | 86               | -                 | 63-138              | -   |            |
| Manganese, Total   | 91               | -                 | 77-123              | -   |            |
| Nickel, Total  | 92               | -                 | 70-130              | -   |            |
| Potassium, Total   | 87               | -                 | 59-141              | -   |            |
| Selenium, Total  | 93               | -                 | 66-134              | -   |            |
| Silver, Total  | 99               | -                 | 70-131              | -   |            |
| Sodium, Total  | 92               | -                 | 35-164              | -   |            |
| Thallium, Total  | 92               | -                 | 70-130              | -   |            |
| Vanadium, Total  | 97               | -                 | 74-126              | -   |            |



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD

**Project Number:** 3883.0001Y000

**Lab Number:** L2231237

**Report Date:** 06/25/22

| Parameter  | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|--|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 02-07 Batch: WG1653007-2 SRM Lot Number: D113-540 |                  |                   |                     |     |            |
| Zinc, Total  | 92               | -                 | 70-130              | -   |            |
| Total Metals - Mansfield Lab Associated sample(s): 02-07 Batch: WG1653009-2 SRM Lot Number: D113-540 |                  |                   |                     |     |            |
| Mercury, Total   | 84               | -                 | 60-140              | -   |            |

### Matrix Spike Analysis Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2231237

**Project Number:** 3883.0001Y000

**Report Date:** 06/25/22

| Parameter   | Native Sample | MS Added | MS Found | MS %Recovery | MSD Qual | MSD Found | MSD %Recovery | MSD Qual | Recovery Limits | RPD | RPD Qual | RPD Limits |
|---|---------------|----------|----------|--------------|----------|-----------|---------------|----------|-----------------|-----|----------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01    QC Batch ID: WG1651647-3    QC Sample: L2231549-09    Client ID: MS Sample |               |          |          |              |          |           |               |          |                 |     |          |            |
| Aluminum, Total   | 0.0121        | 2        | 1.90     | 94           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Antimony, Total   | ND            | 0.5      | 0.3979   | 80           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Arsenic, Total  | ND            | 0.12     | 0.1114   | 93           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Barium, Total   | 0.00018J      | 2        | 1.792    | 90           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Beryllium, Total  | ND            | 0.05     | 0.04641  | 93           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Cadmium, Total  | ND            | 0.053    | 0.04825  | 91           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Calcium, Total  | ND            | 10       | 9.01     | 90           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Chromium, Total   | ND            | 0.2      | 0.1874   | 94           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Cobalt, Total   | ND            | 0.5      | 0.4695   | 94           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Copper, Total   | ND            | 0.25     | 0.2346   | 94           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Iron, Total   | ND            | 1        | 0.957    | 96           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Lead, Total   | ND            | 0.53     | 0.4653   | 88           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Magnesium, Total  | ND            | 10       | 8.63     | 86           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Manganese, Total  | ND            | 0.5      | 0.4962   | 99           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Nickel, Total   | ND            | 0.5      | 0.4716   | 94           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Potassium, Total  | ND            | 10       | 9.30     | 93           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Selenium, Total   | ND            | 0.12     | 0.114    | 95           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Silver, Total   | ND            | 0.05     | 0.04736  | 95           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Sodium, Total   | ND            | 10       | 9.21     | 92           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Thallium, Total   | ND            | 0.12     | 0.09943  | 83           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |
| Vanadium, Total   | ND            | 0.5      | 0.4590   | 92           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |

**Matrix Spike Analysis**  
Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

| Parameter   | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---------------|----------|----------|--------------|-----------|---------------|-----------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01    QC Batch ID: WG1651647-3    QC Sample: L2231549-09    Client ID: MS Sample |               |          |          |              |           |               |                 |     |            |
| Zinc, Total   | ND            | 0.5      | 0.4610   | 92           | -         | -             | 75-125          | -   | 20         |
| Total Metals - Mansfield Lab Associated sample(s): 01    QC Batch ID: WG1651650-3    QC Sample: L2231035-01    Client ID: MS Sample |               |          |          |              |           |               |                 |     |            |
| Mercury, Total  | ND            | 0.005    | 0.00645  | 129          | Q         | -             | 75-125          | -   | 20         |

### Matrix Spike Analysis Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

| Parameter  | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|--|---------------|----------|----------|--------------|-----------|---------------|-----------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 02-07    QC Batch ID: WG1653007-3    QC Sample: L2231215-01    Client ID: MS Sample |               |          |          |              |           |               |                 |     |            |
| Aluminum, Total  | 4760          | 170      | 5130     | 218          | Q         | -             | 75-125          | -   | 20         |
| Antimony, Total  | ND            | 42.4     | 29.7     | 70           | Q         | -             | 75-125          | -   | 20         |
| Arsenic, Total   | 2.14          | 10.2     | 10.8     | 85           |           | -             | 75-125          | -   | 20         |
| Barium, Total  | 45.9          | 170      | 194      | 87           |           | -             | 75-125          | -   | 20         |
| Beryllium, Total   | 0.290J        | 4.24     | 4.00     | 94           |           | -             | 75-125          | -   | 20         |
| Cadmium, Total   | 0.132J        | 4.5      | 3.76     | 84           |           | -             | 75-125          | -   | 20         |
| Calcium, Total   | 5720          | 849      | 5870     | 18           | Q         | -             | 75-125          | -   | 20         |
| Chromium, Total  | 18.8          | 17       | 26.2     | 44           | Q         | -             | 75-125          | -   | 20         |
| Cobalt, Total  | 5.80          | 42.4     | 38.7     | 78           |           | -             | 75-125          | -   | 20         |
| Copper, Total  | 15.5          | 21.2     | 35.2     | 93           |           | -             | 75-125          | -   | 20         |
| Iron, Total  | 9900          | 84.9     | 9800     | 0            | Q         | -             | 75-125          | -   | 20         |
| Lead, Total  | 43.5          | 45       | 122      | 174          | Q         | -             | 75-125          | -   | 20         |
| Magnesium, Total   | 2610          | 849      | 3460     | 100          |           | -             | 75-125          | -   | 20         |
| Manganese, Total   | 220           | 42.4     | 236      | 38           | Q         | -             | 75-125          | -   | 20         |
| Nickel, Total  | 34.6          | 42.4     | 66.0     | 74           | Q         | -             | 75-125          | -   | 20         |
| Potassium, Total   | 944           | 849      | 1690     | 88           |           | -             | 75-125          | -   | 20         |
| Selenium, Total  | ND            | 10.2     | 8.39     | 82           |           | -             | 75-125          | -   | 20         |
| Silver, Total  | ND            | 25.5     | 21.3     | 84           |           | -             | 75-125          | -   | 20         |
| Sodium, Total  | 142J          | 849      | 917      | 108          |           | -             | 75-125          | -   | 20         |
| Thallium, Total  | ND            | 10.2     | 7.63     | 75           |           | -             | 75-125          | -   | 20         |
| Vanadium, Total  | 21.2          | 42.4     | 57.1     | 85           |           | -             | 75-125          | -   | 20         |

### Matrix Spike Analysis Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD

**Lab Number:** L2231237

**Project Number:** 3883.0001Y000

**Report Date:** 06/25/22

| Parameter   | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---------------|----------|----------|--------------|-----------|---------------|-----------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 02-07 QC Batch ID: WG1653007-3 QC Sample: L2231215-01 Client ID: MS Sample |               |          |          |              |           |               |                 |     |            |
| Zinc, Total   | 47.6          | 42.4     | 75.5     | 66           | Q         | -             | 75-125          | -   | 20         |
| Total Metals - Mansfield Lab Associated sample(s): 02-07 QC Batch ID: WG1653009-3 QC Sample: L2231215-01 Client ID: MS Sample |               |          |          |              |           |               |                 |     |            |
| Mercury, Total  | 0.102         | 1.38     | 1.31     | 88           | -         | -             | 80-120          | -   | 20         |

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 40-40 NORTHERN BLVD

Project Number: 3883.0001Y000

Lab Number: L2231237

Report Date: 06/25/22

| Parameter   | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1651647-4 QC Sample: L2231549-09 Client ID: DUP Sample |               |                  |       |     |      |            |
| Aluminum, Total   | 0.0121        | 0.0115           | mg/l  | 5   |      | 20         |
| Antimony, Total   | ND            | ND               | mg/l  | NC  |      | 20         |
| Arsenic, Total  | ND            | ND               | mg/l  | NC  |      | 20         |
| Barium, Total   | 0.00018J      | 0.00025J         | mg/l  | NC  |      | 20         |
| Beryllium, Total  | ND            | ND               | mg/l  | NC  |      | 20         |
| Cadmium, Total  | ND            | ND               | mg/l  | NC  |      | 20         |
| Calcium, Total  | ND            | ND               | mg/l  | NC  |      | 20         |
| Chromium, Total   | ND            | ND               | mg/l  | NC  |      | 20         |
| Cobalt, Total   | ND            | ND               | mg/l  | NC  |      | 20         |
| Copper, Total   | ND            | ND               | mg/l  | NC  |      | 20         |
| Iron, Total   | ND            | ND               | mg/l  | NC  |      | 20         |
| Lead, Total   | ND            | ND               | mg/l  | NC  |      | 20         |
| Magnesium, Total  | ND            | ND               | mg/l  | NC  |      | 20         |
| Manganese, Total  | ND            | ND               | mg/l  | NC  |      | 20         |
| Nickel, Total   | ND            | ND               | mg/l  | NC  |      | 20         |
| Potassium, Total  | ND            | ND               | mg/l  | NC  |      | 20         |
| Selenium, Total   | ND            | ND               | mg/l  | NC  |      | 20         |
| Silver, Total   | ND            | ND               | mg/l  | NC  |      | 20         |
| Sodium, Total   | ND            | ND               | mg/l  | NC  |      | 20         |

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 40-40 NORTHERN BLVD

Project Number: 3883.0001Y000

Lab Number: L2231237

Report Date: 06/25/22

| Parameter   | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---|---------------|------------------|-------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1651647-4 QC Sample: L2231549-09 Client ID: DUP Sample |               |                  |       |     |            |
| Thallium, Total   | ND            | ND               | mg/l  | NC  | 20         |
| Vanadium, Total   | ND            | ND               | mg/l  | NC  | 20         |
| Zinc, Total   | ND            | ND               | mg/l  | NC  | 20         |
| Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1651650-4 QC Sample: L2231035-01 Client ID: DUP Sample |               |                  |       |     |            |
| Mercury, Total  | ND            | ND               | mg/l  | NC  | 20         |

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 40-40 NORTHERN BLVD

Project Number: 3883.0001Y000

Lab Number: L2231237

Report Date: 06/25/22

| Parameter  | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|--|---------------|------------------|-------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 02-07 QC Batch ID: WG1653007-4 QC Sample: L2231215-01 Client ID: DUP Sample |               |                  |       |     |            |
| Aluminum, Total  | 4760          | 4720             | mg/kg | 1   | 20         |
| Antimony, Total  | ND            | ND               | mg/kg | NC  | 20         |
| Arsenic, Total   | 2.14          | 2.22             | mg/kg | 4   | 20         |
| Barium, Total  | 45.9          | 44.4             | mg/kg | 3   | 20         |
| Beryllium, Total   | 0.290J        | 0.325J           | mg/kg | NC  | 20         |
| Cadmium, Total   | 0.132J        | 0.146J           | mg/kg | NC  | 20         |
| Calcium, Total   | 5720          | 4930             | mg/kg | 15  | 20         |
| Chromium, Total  | 18.8          | 12.9             | mg/kg | 37  | Q 20       |
| Cobalt, Total  | 5.80          | 6.05             | mg/kg | 4   | 20         |
| Copper, Total  | 15.5          | 14.7             | mg/kg | 5   | 20         |
| Iron, Total  | 9900          | 10500            | mg/kg | 6   | 20         |
| Lead, Total  | 43.5          | 36.6             | mg/kg | 17  | 20         |
| Magnesium, Total   | 2610          | 2890             | mg/kg | 10  | 20         |
| Manganese, Total   | 220           | 232              | mg/kg | 5   | 20         |
| Nickel, Total  | 34.6          | 34.8             | mg/kg | 1   | 20         |
| Potassium, Total   | 944           | 827              | mg/kg | 13  | 20         |
| Selenium, Total  | ND            | ND               | mg/kg | NC  | 20         |
| Silver, Total  | ND            | ND               | mg/kg | NC  | 20         |
| Sodium, Total  | 142J          | 130J             | mg/kg | NC  | 20         |



## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 40-40 NORTHERN BLVD

Project Number: 3883.0001Y000

Lab Number: L2231237

Report Date: 06/25/22

| Parameter   | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---|---------------|------------------|-------|-----|------------|
| <b>Total Metals - Mansfield Lab Associated sample(s): 02-07 QC Batch ID: WG1653007-4 QC Sample: L2231215-01 Client ID: DUP Sample</b> |               |                  |       |     |            |
| Thallium, Total   | ND            | ND               | mg/kg | NC  | 20         |
| Vanadium, Total   | 21.2          | 18.2             | mg/kg | 15  | 20         |
| Zinc, Total   | 47.6          | 46.9             | mg/kg | 1   | 20         |
| <b>Total Metals - Mansfield Lab Associated sample(s): 02-07 QC Batch ID: WG1653009-4 QC Sample: L2231215-01 Client ID: DUP Sample</b> |               |                  |       |     |            |
| Mercury, Total  | 0.102         | 0.093            | mg/kg | 9   | 20         |

# **INORGANICS & MISCELLANEOUS**

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-01  
**Client ID:** FB\_061322  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 09:00  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

| Parameter                                  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| <b>General Chemistry - Westborough Lab</b> |        |           |       |       |       |                 |                |                |                   |         |
| Cyanide, Total                             | ND     |           | mg/l  | 0.005 | 0.001 | 1               | 06/15/22 10:50 | 06/15/22 13:55 | 1,9010C/9012B     | CS      |
| Chromium, Hexavalent                       | ND     |           | mg/l  | 0.010 | 0.003 | 1               | 06/14/22 08:00 | 06/14/22 08:35 | 1,7196A           | KA      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-02  
**Client ID:** SB014(0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 10:00  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| <b>General Chemistry - Westborough Lab</b> |        |           |       |       |       |                 |                |                |                   |         |
| Solids, Total                              | 96.6   |           | %     | 0.100 | NA    | 1               | -              | 06/14/22 10:50 | 121,2540G         | RI      |
| Cyanide, Total                             | ND     |           | mg/kg | 1.0   | 0.22  | 1               | 06/16/22 12:10 | 06/17/22 09:02 | 1,9010C/9012B     | CS      |
| Chromium, Hexavalent                       | ND     |           | mg/kg | 0.828 | 0.166 | 1               | 06/16/22 17:30 | 06/17/22 12:10 | 1,7196A           | JT      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-03  
**Client ID:** SB015(0-2)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 11:40  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| <b>General Chemistry - Westborough Lab</b> |        |           |       |       |       |                 |                |                |                   |         |
| Solids, Total                              | 91.8   |           | %     | 0.100 | NA    | 1               | -              | 06/14/22 10:50 | 121,2540G         | RI      |
| Cyanide, Total                             | ND     |           | mg/kg | 1.0   | 0.22  | 1               | 06/16/22 12:10 | 06/17/22 08:52 | 1,9010C/9012B     | CS      |
| Chromium, Hexavalent                       | ND     |           | mg/kg | 0.871 | 0.174 | 1               | 06/16/22 17:30 | 06/17/22 12:10 | 1,7196A           | JT      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-04  
**Client ID:** SB014(10-12)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 12:30  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| <b>General Chemistry - Westborough Lab</b> |        |           |       |       |       |                 |                |                |                   |         |
| Solids, Total                              | 91.9   |           | %     | 0.100 | NA    | 1               | -              | 06/14/22 10:50 | 121,2540G         | RI      |
| Cyanide, Total                             | ND     |           | mg/kg | 1.0   | 0.22  | 1               | 06/16/22 12:10 | 06/17/22 08:53 | 1,9010C/9012B     | CS      |
| Chromium, Hexavalent                       | ND     |           | mg/kg | 0.870 | 0.174 | 1               | 06/16/22 17:30 | 06/17/22 12:10 | 1,7196A           | JT      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-05  
**Client ID:** SB014(14-16)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 12:40  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| <b>General Chemistry - Westborough Lab</b> |        |           |       |       |       |                 |                |                |                   |         |
| Solids, Total                              | 90.1   |           | %     | 0.100 | NA    | 1               | -              | 06/14/22 10:50 | 121,2540G         | RI      |
| Cyanide, Total                             | ND     |           | mg/kg | 1.1   | 0.23  | 1               | 06/16/22 12:10 | 06/17/22 08:54 | 1,9010C/9012B     | CS      |
| Chromium, Hexavalent                       | ND     |           | mg/kg | 0.888 | 0.178 | 1               | 06/16/22 17:30 | 06/17/22 12:10 | 1,7196A           | JT      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-06  
**Client ID:** SB015(6-8)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 12:50  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| <b>General Chemistry - Westborough Lab</b> |        |           |       |       |       |                 |                |                |                   |         |
| Solids, Total                              | 93.4   |           | %     | 0.100 | NA    | 1               | -              | 06/14/22 10:50 | 121,2540G         | RI      |
| Cyanide, Total                             | ND     |           | mg/kg | 0.98  | 0.21  | 1               | 06/16/22 12:10 | 06/17/22 08:55 | 1,9010C/9012B     | CS      |
| Chromium, Hexavalent                       | ND     |           | mg/kg | 0.856 | 0.171 | 1               | 06/16/22 17:30 | 06/17/22 12:10 | 1,7196A           | JT      |





**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**SAMPLE RESULTS**

**Lab ID:** L2231237-07  
**Client ID:** SB015(12-14)  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 13:00  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                  | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| <b>General Chemistry - Westborough Lab</b> |        |           |       |       |       |                 |                |                |                   |         |
| Solids, Total                              | 82.5   |           | %     | 0.100 | NA    | 1               | -              | 06/14/22 10:50 | 121,2540G         | RI      |
| Cyanide, Total                             | ND     |           | mg/kg | 1.1   | 0.24  | 1               | 06/16/22 12:10 | 06/17/22 08:58 | 1,9010C/9012B     | CS      |
| Chromium, Hexavalent                       | ND     |           | mg/kg | 0.970 | 0.194 | 1               | 06/16/22 17:30 | 06/17/22 12:10 | 1,7196A           | JT      |



**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

**Method Blank Analysis**  
**Batch Quality Control**

| Parameter   | Result Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|---|------------------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1650263-1    |                  |       |       |       |                 |                |                |                   |         |
| Chromium, Hexavalent  | ND               | mg/l  | 0.010 | 0.003 | 1               | 06/14/22 08:00 | 06/14/22 08:34 | 1,7196A           | KA      |
| General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1650786-1    |                  |       |       |       |                 |                |                |                   |         |
| Cyanide, Total  | ND               | mg/l  | 0.005 | 0.001 | 1               | 06/15/22 10:50 | 06/15/22 13:31 | 1,9010C/9012B     | CS      |
| General Chemistry - Westborough Lab for sample(s): 02-07 Batch: WG1651400-1 |                  |       |       |       |                 |                |                |                   |         |
| Cyanide, Total  | ND               | mg/kg | 0.98  | 0.21  | 1               | 06/16/22 12:10 | 06/17/22 08:38 | 1,9010C/9012B     | CS      |
| General Chemistry - Westborough Lab for sample(s): 02-07 Batch: WG1651682-1 |                  |       |       |       |                 |                |                |                   |         |
| Chromium, Hexavalent  | ND               | mg/kg | 0.800 | 0.160 | 1               | 06/16/22 17:30 | 06/17/22 12:10 | 1,7196A           | JT      |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 40-40 NORTHERN BLVD

**Project Number:** 3883.0001Y000

**Lab Number:** L2231237

**Report Date:** 06/25/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|------------|
| General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1650263-2                |                  |      |                   |      |                     |     |      |            |
| Chromium, Hexavalent   | 104              |      | -                 |      | 85-115              | -   |      | 20         |
| General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1650786-2 WG1650786-3    |                  |      |                   |      |                     |     |      |            |
| Cyanide, Total   | 90               |      | 88                |      | 85-115              | 2   |      | 20         |
| General Chemistry - Westborough Lab Associated sample(s): 02-07 Batch: WG1651400-2 WG1651400-3 |                  |      |                   |      |                     |     |      |            |
| Cyanide, Total   | 77               | Q    | 70                | Q    | 80-120              | 5   |      | 35         |
| General Chemistry - Westborough Lab Associated sample(s): 02-07 Batch: WG1651682-2             |                  |      |                   |      |                     |     |      |            |
| Chromium, Hexavalent   | 102              |      | -                 |      | 80-120              | -   |      | 20         |

### Matrix Spike Analysis Batch Quality Control

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

| Parameter   | Native Sample | MS Added | MS Found | MS %Recovery | MSD Qual | MSD Found | MSD %Recovery | MSD Qual | Recovery Limits | RPD | RPD Qual | RPD Limits |
|---|---------------|----------|----------|--------------|----------|-----------|---------------|----------|-----------------|-----|----------|------------|
| General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1650263-4 QC Sample: L2231237-01 Client ID: FB_061322                 |               |          |          |              |          |           |               |          |                 |     |          |            |
| Chromium, Hexavalent  | ND            | 0.1      | 0.105    | 105          | -        | -         | -             | -        | 85-115          | -   | -        | 20         |
| General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1650786-4 WG1650786-5 QC Sample: L2231035-01 Client ID: MS Sample     |               |          |          |              |          |           |               |          |                 |     |          |            |
| Cyanide, Total  | ND            | 0.2      | 0.183    | 92           | 0.180    | 90        | 90            | Q        | 80-120          | 2   | Q        | 20         |
| General Chemistry - Westborough Lab Associated sample(s): 02-07 QC Batch ID: WG1651400-4 WG1651400-5 QC Sample: L2231237-02 Client ID: SB014(0-2) |               |          |          |              |          |           |               |          |                 |     |          |            |
| Cyanide, Total  | ND            | 9.8      | 1.4      | 14           | Q        | 0.47J     | 0             | Q        | 75-125          | NC  | Q        | 35         |
| General Chemistry - Westborough Lab Associated sample(s): 02-07 QC Batch ID: WG1651682-4 QC Sample: L2231237-07 Client ID: SB015(12-14)           |               |          |          |              |          |           |               |          |                 |     |          |            |
| Chromium, Hexavalent  | ND            | 1170     | 1140     | 98           | -        | -         | -             | -        | 75-125          | -   | -        | 20         |

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 40-40 NORTHERN BLVD

Project Number: 3883.0001Y000

Lab Number: L2231237

Report Date: 06/25/22

| Parameter   | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| General Chemistry - Westborough Lab Associated sample(s): 02-07 QC Batch ID: WG1650255-1 QC Sample: L2231288-02 Client ID: DUP Sample   |               |                  |       |     |      |            |
| Solids, Total   | 92.3          | 92.3             | %     | 0   |      | 20         |
| General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1650263-3 QC Sample: L2231237-01 Client ID: FB_061322       |               |                  |       |     |      |            |
| Chromium, Hexavalent  | ND            | ND               | mg/l  | NC  |      | 20         |
| General Chemistry - Westborough Lab Associated sample(s): 02-07 QC Batch ID: WG1651682-6 QC Sample: L2231237-07 Client ID: SB015(12-14) |               |                  |       |     |      |            |
| Chromium, Hexavalent  | ND            | ND               | mg/kg | NC  |      | 20         |

**Project Name:** 40-40 NORTHERN BLVD**Lab Number:** L2231237**Project Number:** 3883.0001Y000**Report Date:** 06/25/22**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

| Cooler | Custody Seal |
|--------|--------------|
| A      | Absent       |
| B      | Absent       |

**Container Information**

| Container ID | Container Type               | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)  |
|--------------|------------------------------|--------|------------|----------|------------|------|--------|------------------|--|
| L2231237-01A | Vial HCl preserved           | A      | NA         |          | 2.2        | Y    | Absent |                  | NYTCL-8260(14)   |
| L2231237-01B | Vial HCl preserved           | A      | NA         |          | 2.2        | Y    | Absent |                  | NYTCL-8260(14)   |
| L2231237-01C | Vial HCl preserved           | A      | NA         |          | 2.2        | Y    | Absent |                  | NYTCL-8260(14)   |
| L2231237-01D | Amber 120ml unpreserved      | A      | 7          | 7        | 2.2        | Y    | Absent |                  | NYTCL-8081(7)  |
| L2231237-01E | Amber 120ml unpreserved      | A      | 7          | 7        | 2.2        | Y    | Absent |                  | NYTCL-8081(7)  |
| L2231237-01F | Amber 120ml unpreserved      | A      | 7          | 7        | 2.2        | Y    | Absent |                  | NYTCL-8082-LVI(365)  |
| L2231237-01G | Amber 120ml unpreserved      | A      | 7          | 7        | 2.2        | Y    | Absent |                  | NYTCL-8082-LVI(365)  |
| L2231237-01H | Amber 250ml unpreserved      | A      | 7          | 7        | 2.2        | Y    | Absent |                  | A2-1,4-DIOXANE-SIM(7)  |
| L2231237-01J | Amber 250ml unpreserved      | A      | 7          | 7        | 2.2        | Y    | Absent |                  | A2-1,4-DIOXANE-SIM(7)  |
| L2231237-01K | Amber 250ml unpreserved      | A      | 7          | 7        | 2.2        | Y    | Absent |                  | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)  |
| L2231237-01L | Amber 250ml unpreserved      | A      | 7          | 7        | 2.2        | Y    | Absent |                  | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)  |
| L2231237-01M | Plastic 250ml unpreserved    | A      | 7          | 7        | 2.2        | Y    | Absent |                  | HEXCR-7196(1)  |
| L2231237-01N | Plastic 250ml NaOH preserved | A      | >12        | >12      | 2.2        | Y    | Absent |                  | TCN-9010(14)   |
| L2231237-01O | Plastic 250ml HNO3 preserved | A      | <2         | <2       | 2.2        | Y    | Absent |                  | SE-6020T(180),FE-6020T(180),BA-6020T(180),TL-6020T(180),K-6020T(180),CR-6020T(180),NI-6020T(180),CA-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),AL-6020T(180),CO-6020T(180) |
| L2231237-01P | Amber 1000ml unpreserved     | A      | 7          | 7        | 2.2        | Y    | Absent |                  | HERB-8151(7)   |
| L2231237-01Q | Amber 1000ml unpreserved     | A      | 7          | 7        | 2.2        | Y    | Absent |                  | HERB-8151(7)   |
| L2231237-02A | 5 gram Encore Sampler        | A      | NA         |          | 2.2        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2231237-02B | 5 gram Encore Sampler        | A      | NA         |          | 2.2        | Y    | Absent |                  | NYTCL-8260HLW(14)  |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

**Container Information**

| Container ID | Container Type                         | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)  |
|--------------|--|--------|------------|----------|------------|------|--------|------------------|--|
| L2231237-02C | 5 gram Encore Sampler                  | A      | NA         |          | 2.2        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2231237-02D | Plastic 2oz unpreserved for TS         | A      | NA         |          | 2.2        | Y    | Absent |                  | TS(7)  |
| L2231237-02E | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 2.2        | Y    | Absent |                  | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180) |
| L2231237-02F | Glass 120ml/4oz unpreserved            | A      | NA         |          | 2.2        | Y    | Absent |                  | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365),HERB-8151(14),HEXCR-7196(30)  |
| L2231237-02G | Glass 500ml/16oz unpreserved           | A      | NA         |          | 2.2        | Y    | Absent |                  | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365),HERB-8151(14),HEXCR-7196(30)  |
| L2231237-02X | Vial MeOH preserved split              | A      | NA         |          | 2.2        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2231237-02Y | Vial Water preserved split             | A      | NA         |          | 2.2        | Y    | Absent | 14-JUN-22 08:19  | NYTCL-8260HLW(14)  |
| L2231237-02Z | Vial Water preserved split             | A      | NA         |          | 2.2        | Y    | Absent | 14-JUN-22 08:19  | NYTCL-8260HLW(14)  |
| L2231237-03A | 5 gram Encore Sampler                  | A      | NA         |          | 2.2        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2231237-03B | 5 gram Encore Sampler                  | A      | NA         |          | 2.2        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2231237-03C | 5 gram Encore Sampler                  | A      | NA         |          | 2.2        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2231237-03D | Plastic 2oz unpreserved for TS         | A      | NA         |          | 2.2        | Y    | Absent |                  | TS(7)  |
| L2231237-03E | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 2.2        | Y    | Absent |                  | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),NA-TI(180),CA-TI(180),K-TI(180),CD-TI(180) |
| L2231237-03F | Glass 120ml/4oz unpreserved            | A      | NA         |          | 2.2        | Y    | Absent |                  | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2231237-03G | Glass 500ml/16oz unpreserved           | A      | NA         |          | 2.2        | Y    | Absent |                  | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2231237-03X | Vial MeOH preserved split              | A      | NA         |          | 2.2        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2231237-03Y | Vial Water preserved split             | A      | NA         |          | 2.2        | Y    | Absent | 14-JUN-22 08:19  | NYTCL-8260HLW(14)  |
| L2231237-03Z | Vial Water preserved split             | A      | NA         |          | 2.2        | Y    | Absent | 14-JUN-22 08:19  | NYTCL-8260HLW(14)  |
| L2231237-04A | 5 gram Encore Sampler                  | A      | NA         |          | 2.2        | Y    | Absent |                  | NYTCL-8260HLW(14)  |
| L2231237-04B | 5 gram Encore Sampler                  | A      | NA         |          | 2.2        | Y    | Absent |                  | NYTCL-8260HLW(14)  |

Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

Report Date: 06/25/22

**Container Information**

| <b>Container ID</b> | <b>Container Type</b>                  | <b>Cooler</b> | <b>Initial pH</b> | <b>Final pH</b> | <b>Temp deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen Date/Time</b> | <b>Analysis(*)</b>   |
|---------------------|--|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--|
| L2231237-04C        | 5 gram Encore Sampler                  | A             | NA                |                 | 2.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231237-04D        | Plastic 2oz unpreserved for TS         | A             | NA                |                 | 2.2               | Y           | Absent      |                         | TS(7)  |
| L2231237-04E        | Metals Only-Glass 60mL/2oz unpreserved | A             | NA                |                 | 2.2               | Y           | Absent      |                         | BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),SE-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180) |
| L2231237-04F        | Glass 120ml/4oz unpreserved            | A             | NA                |                 | 2.2               | Y           | Absent      |                         | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2231237-04G        | Glass 500ml/16oz unpreserved           | A             | NA                |                 | 2.2               | Y           | Absent      |                         | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2231237-04X        | Vial MeOH preserved split              | A             | NA                |                 | 2.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231237-04Y        | Vial Water preserved split             | A             | NA                |                 | 2.2               | Y           | Absent      | 14-JUN-22 08:19         | NYTCL-8260HLW(14)  |
| L2231237-04Z        | Vial Water preserved split             | A             | NA                |                 | 2.2               | Y           | Absent      | 14-JUN-22 08:19         | NYTCL-8260HLW(14)  |
| L2231237-05A        | 5 gram Encore Sampler                  | A             | NA                |                 | 2.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231237-05B        | 5 gram Encore Sampler                  | A             | NA                |                 | 2.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231237-05C        | 5 gram Encore Sampler                  | A             | NA                |                 | 2.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231237-05D        | Plastic 2oz unpreserved for TS         | A             | NA                |                 | 2.2               | Y           | Absent      |                         | TS(7)  |
| L2231237-05E        | Metals Only-Glass 60mL/2oz unpreserved | A             | NA                |                 | 2.2               | Y           | Absent      |                         | BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),CU-TI(180),V-TI(180),CO-TI(180),MN-TI(180),MG-TI(180),HG-T(28),FE-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180) |
| L2231237-05F        | Glass 120ml/4oz unpreserved            | A             | NA                |                 | 2.2               | Y           | Absent      |                         | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365),HERB-8151(14),HEXCR-7196(30)  |
| L2231237-05G        | Glass 500ml/16oz unpreserved           | A             | NA                |                 | 2.2               | Y           | Absent      |                         | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365),HERB-8151(14),HEXCR-7196(30)  |
| L2231237-05X        | Vial MeOH preserved split              | A             | NA                |                 | 2.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231237-05Y        | Vial Water preserved split             | A             | NA                |                 | 2.2               | Y           | Absent      | 14-JUN-22 08:19         | NYTCL-8260HLW(14)  |
| L2231237-05Z        | Vial Water preserved split             | A             | NA                |                 | 2.2               | Y           | Absent      | 14-JUN-22 08:19         | NYTCL-8260HLW(14)  |
| L2231237-06A        | 5 gram Encore Sampler                  | A             | NA                |                 | 2.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231237-06B        | 5 gram Encore Sampler                  | A             | NA                |                 | 2.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |



Project Name: 40-40 NORTHERN BLVD

Lab Number: L2231237

Project Number: 3883.0001Y000

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**Container Information**

| <b>Container ID</b> | <b>Container Type</b>                  | <b>Cooler</b> | <b>Initial pH</b> | <b>Final pH</b> | <b>Temp deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen Date/Time</b> | <b>Analysis(*)</b>   |
|---------------------|--|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--|
| L2231237-06C        | 5 gram Encore Sampler                  | A             | NA                |                 | 2.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231237-06D        | Plastic 2oz unpreserved for TS         | A             | NA                |                 | 2.2               | Y           | Absent      |                         | TS(7)  |
| L2231237-06E        | Metals Only-Glass 60mL/2oz unpreserved | A             | NA                |                 | 2.2               | Y           | Absent      |                         | BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),SE-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180) |
| L2231237-06F        | Glass 120ml/4oz unpreserved            | A             | NA                |                 | 2.2               | Y           | Absent      |                         | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365),HERB-8151(14),HEXCR-7196(30)  |
| L2231237-06G        | Glass 500ml/16oz unpreserved           | A             | NA                |                 | 2.2               | Y           | Absent      |                         | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365),HERB-8151(14),HEXCR-7196(30)  |
| L2231237-06X        | Vial MeOH preserved split              | A             | NA                |                 | 2.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231237-06Y        | Vial Water preserved split             | A             | NA                |                 | 2.2               | Y           | Absent      | 14-JUN-22 08:19         | NYTCL-8260HLW(14)  |
| L2231237-06Z        | Vial Water preserved split             | A             | NA                |                 | 2.2               | Y           | Absent      | 14-JUN-22 08:19         | NYTCL-8260HLW(14)  |
| L2231237-07A        | 5 gram Encore Sampler                  | A             | NA                |                 | 2.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231237-07B        | 5 gram Encore Sampler                  | A             | NA                |                 | 2.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231237-07C        | 5 gram Encore Sampler                  | A             | NA                |                 | 2.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231237-07D        | Plastic 2oz unpreserved for TS         | A             | NA                |                 | 2.2               | Y           | Absent      |                         | TS(7)  |
| L2231237-07E        | Metals Only-Glass 60mL/2oz unpreserved | A             | NA                |                 | 2.2               | Y           | Absent      |                         | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),HG-T(28),FE-TI(180),MN-TI(180),MG-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180) |
| L2231237-07F        | Glass 120ml/4oz unpreserved            | A             | NA                |                 | 2.2               | Y           | Absent      |                         | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2231237-07G        | Glass 500ml/16oz unpreserved           | A             | NA                |                 | 2.2               | Y           | Absent      |                         | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),HERB-8151(14),NYTCL-8082(365),HEXCR-7196(30)  |
| L2231237-07X        | Vial MeOH preserved split              | A             | NA                |                 | 2.2               | Y           | Absent      |                         | NYTCL-8260HLW(14)  |
| L2231237-07Y        | Vial Water preserved split             | A             | NA                |                 | 2.2               | Y           | Absent      | 14-JUN-22 08:19         | NYTCL-8260HLW(14)  |
| L2231237-07Z        | Vial Water preserved split             | A             | NA                |                 | 2.2               | Y           | Absent      | 14-JUN-22 08:19         | NYTCL-8260HLW(14)  |
| L2231237-08A        | Vial HCl preserved                     | A             | NA                |                 | 2.2               | Y           | Absent      |                         | NYTCL-8260(14)   |
| L2231237-08B        | Vial HCl preserved                     | A             | NA                |                 | 2.2               | Y           | Absent      |                         | NYTCL-8260(14)   |

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**Container Information**

**Container ID    Container Type**

| <b>Cooler</b> | <b>Initial<br/>pH</b> | <b>Final<br/>pH</b> | <b>Temp<br/>deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen<br/>Date/Time</b> | <b>Analysis(*)</b> |
|---------------|-----------------------|---------------------|-----------------------|-------------|-------------|-----------------------------|--------------------|
|---------------|-----------------------|---------------------|-----------------------|-------------|-------------|-----------------------------|--------------------|

**Project Name:** 40-40 NORTHERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231237  
**Report Date:** 06/25/22

## GLOSSARY

### Acronyms

|          |  |
|----------|--|
| DL       | - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  |
| EDL      | - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).   |
| EMPC     | - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.   |
| EPA      | - Environmental Protection Agency.   |
| LCS      | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.  |
| LCSD     | - Laboratory Control Sample Duplicate: Refer to LCS.   |
| LFB      | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.   |
| LOD      | - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)   |
| LOQ      | - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)<br><br>Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) |
| MDL      | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.  |
| MS       | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.  |
| MSD      | - Matrix Spike Sample Duplicate: Refer to MS.  |
| NA       | - Not Applicable.  |
| NC       | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.   |
| NDPA/DPA | - N-Nitrosodiphenylamine/Diphenylamine.  |
| NI       | - Not Ignitable.   |
| NP       | - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.  |
| NR       | - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.  |
| RL       | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.   |
| RPD      | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.  |
| SRM      | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.   |
| STLP     | - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.  |
| TEF      | - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.   |
| TEQ      | - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.  |
| TIC      | - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.  |

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### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Chlordane:** The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Gasoline Range Organics (GRO):** Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

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#### **Data Qualifiers**

Identified Compounds (TICs).

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

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## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

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The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 625/625.1:** alpha-Terpineol

**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**Biological Tissue Matrix:** EPA 3050B

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The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LCHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

**SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

**EPA 522, EPA 537.1.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.


**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1 Hg.**

**SM2340B**

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For a complete listing of analytes and methods, please contact your Alpha Project Manager.

|   |   |   |                                     |   |   |  |               |  |
|---|---|---|-------------------------------------|---|---|--|---------------|--|
| <br><b>NEW YORK CHAIN OF CUSTODY</b>  | <b>Service Centers</b><br>Mahwah, NJ 07430: 35 Whitney Rd, Suite 5<br>Albany, NY 12205: 14 Walker Way<br>Tonawanda, NY 14150: 275 Cooper Ave, Suite 105 | Page <b>i</b>   | Date Rec'd<br>in Lab <b>6/13/22</b> | ALPHA Job #<br><b>L2231237</b>  |   |  |               |  |
|   |   | of <b>1</b>   |                                     |   |   |  |               |  |
| Westborough, MA 01581<br>8 Walkup Dr.<br>TEL: 508-898-9220<br>FAX: 508-898-9193   | Mansfield, MA 02048<br>320 Forbes Blvd<br>TEL: 508-822-9300<br>FAX: 508-822-3288  | <b>Project Information</b><br>Project Name: <b>40-40 Northern Blvd</b><br>Project Location: <b>40-40 Northern Blvd</b><br>Project # <b>3883.00014000</b><br>(Use Project name as Project #) <input type="checkbox"/>  |                                     | <b>Deliverables</b><br><input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B<br><input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File)<br><input type="checkbox"/> Other      |   |  |               |  |
| <b>Client Information</b><br>Client: <b>Roux</b><br>Address: <b>209 Shafter St</b><br><b>Islandia NY 11749</b><br>Phone: <b>631-232-2600</b><br>Fax:<br>Email: <b>ebutler@rouxinc.com</b>   |   | Project Manager: <b>Emily Butler</b><br>ALPHAQuote #:<br><b>Turn-Around Time</b><br>Standard <input checked="" type="checkbox"/> Due Date:<br>Rush (only if pre approved) <input type="checkbox"/> # of Days:   |                                     | <b>Billing Information</b><br><input checked="" type="checkbox"/> Same as Client Info<br>PO #   |   |  |               |  |
| These samples have been previously analyzed by Alpha <input type="checkbox"/><br>Other project specific requirements/comments:<br><b>Cat B Deliverables</b><br>Please specify Metals or TAL.  |   | <b>Regulatory Requirement</b><br><input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375<br><input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51<br><input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other<br><input type="checkbox"/> NY Unrestricted Use<br><input type="checkbox"/> NYC Sewer Discharge |                                     | <b>Disposal Site Information</b><br>Please identify below location of applicable disposal facilities.<br>Disposal Facility:<br><input type="checkbox"/> NJ <input type="checkbox"/> NY<br><input type="checkbox"/> Other: |   |  |               |  |
|   |   | <b>ANALYSIS</b>   |                                     | <b>Sample Filtration</b><br><input type="checkbox"/> Done<br><input type="checkbox"/> Lab to do<br><b>Preservation</b><br><input type="checkbox"/> Lab to do<br>(Please Specify below)                                    |   |  |               |  |
| ALPHA Lab ID (Lab Use Only)   | Sample ID   | Collection<br>Date      Time  | Sample Matrix                       | Sampler's Initials  | TCL VOCs EPA 8240C<br>N-TCL SVOCs EPA 8270D<br>Herbics EPA 8151A Longlist<br>TCL Pestic EPA 8081D<br>Total Solids SM 2540<br>Total Cyanide SM 4500<br>Hex Chrom EPA 7196<br>TCL PCBs EPA 8072A<br>TAL Metals Total 6010D<br>Total Mercury EPA 7471B | Sample Specific Comments   | Total Bottles |  |
| 31237-01  | FB-061322   | 6/13/22 0900  | W                                   | LJ  | X X X X X X X X X X X X   |  | 16            |  |
| -02   | SB014 (0-2)   | ↓ 1000  | S                                   | ↓   | X X X X X X X X X X X X   |  | 7             |  |
| -03   | SB015 (0-2)   | ↓ 1140  | ↓                                   | ↓   | X X X X X X X X X X X X   |  | 7             |  |
| -04   | SB014 (10-12)   | ↓ 1230  | ↓                                   | ↓   | X X X X X X X X X X X X   |  | 7             |  |
| -05   | SB014 (14-16)   | ↓ 1240  | ↓                                   | ↓   | X X X X X X X X X X X X   |  | 7             |  |
| -06   | SB015 (6-8)   | ↓ 1250  | ↓                                   | ↓   | X X X X X X X X X X X X   |  | 7             |  |
| -07   | SB015 (12-14)   | ↓ 1300  | ↓                                   | ↓   | X X X X X X X X X X X X   |  | 7             |  |
| -08   | TB-061322   | 5/4/22 —  | W                                   | —   | X   |  | 2             |  |
| Preservative Code:<br>A = None<br>B = HCl<br>C = HNO <sub>3</sub><br>D = H <sub>2</sub> SO <sub>4</sub><br>E = NaOH<br>F = MeOH<br>G = NaHSO <sub>4</sub><br>H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub><br>K/E = Zn Ac/NaOH<br>O = Other |   | Container Code:<br>P = Plastic<br>A = Amber Glass<br>V = Vial<br>G = Glass<br>B = Bacteria Cup<br>C = Cube<br>O = Other<br>E = Encore<br>D = BOD Bottle   |                                     | Westboro: Certification No: MA935<br>Mansfield: Certification No: MA015   |   | Container Type: <b>E A A P A A A A A</b><br>Preservative: <b>A A A A A A A A</b> |               | Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.) |
| Relinquished By:  |   | Date/Time   |                                     | Received By:  |   | Date/Time  |               |  |
| Lauren Jenkins  |   | 6/13/22 1350  |                                     | LAWSON  |   | 6/13/22 1350   |               |  |
| LAWSON  |   | 6/13/22 1835  |                                     | TAL AAL   |   | 6/13 1930  |               |  |
| Davenport   |   | 6/13 2345   |                                     | Davenport   |   | 6/13/22 2345   |               |  |





## ANALYTICAL REPORT

|                 |  |
|-----------------|--|
| Lab Number:     | L2231241   |
| Client:         | Roux Env. Eng. & Geology, DPC<br>209 Shafter Street<br>Islandia, NY 11749-5074 |
| ATTN:           | Emily Butler   |
| Phone:          | (631) 630-2432   |
| Project Name:   | 40-40 NORHTERN BLVD  |
| Project Number: | 3883.0001Y000  |
| Report Date:    | 06/27/22   |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

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320 Forbes Boulevard, Mansfield, MA 02048-1806  
508-822-9300 (Fax) 508-822-3288 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** 40-40 NORHTERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231241  
**Report Date:** 06/27/22

| <b>Alpha<br/>Sample ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Sample<br/>Location</b> | <b>Collection<br/>Date/Time</b> | <b>Receive Date</b> |
|----------------------------|------------------|---------------|----------------------------|---------------------------------|---------------------|
| L2231241-01                | FB_061322P       | WATER         | 40-40 NORTHERN BLVD        | 06/13/22 09:05                  | 06/13/22            |
| L2231241-02                | SB014 (0-2)P     | SOIL          | 40-40 NORTHERN BLVD        | 06/13/22 10:05                  | 06/13/22            |
| L2231241-03                | SB015 (0-2)P     | SOIL          | 40-40 NORTHERN BLVD        | 06/13/22 11:45                  | 06/13/22            |
| L2231241-04                | SB014 (10-12)P   | SOIL          | 40-40 NORTHERN BLVD        | 06/13/22 12:35                  | 06/13/22            |
| L2231241-05                | SB014 (14-16)P   | SOIL          | 40-40 NORTHERN BLVD        | 06/13/22 12:45                  | 06/13/22            |
| L2231241-06                | SB015 (6-8)P     | SOIL          | 40-40 NORTHERN BLVD        | 06/13/22 12:55                  | 06/13/22            |
| L2231241-07                | SB015 (12-14)P   | SOIL          | 40-40 NORTHERN BLVD        | 06/13/22 13:05                  | 06/13/22            |

**Project Name:** 40-40 NORHTERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231241  
**Report Date:** 06/27/22

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

**HOLD POLICY** - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

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**Project Name:** 40-40 NORHTERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231241  
**Report Date:** 06/27/22

### Case Narrative (continued)

#### Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Perfluorinated Alkyl Acids by Isotope Dilution

L2231241-03, -05, -07, WG1651640-1 and WG1651640-2: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L2231241-05: The MeOH fraction of the extraction is reported for perfluorooctanesulfonamide (fosa) due to better extraction efficiency of the perfluoro[13c8]octanesulfonamide (m8fosa) Extracted Internal Standard.

The WG1651640-2 LCS recovery, associated with L2231241-02 through -07, is above the acceptance criteria for perfluorotridecanoic acid (pftrda) (144%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Alycia Mogayzel

Title: Technical Director/Representative

Date: 06/27/22

# ORGANICS

# SEMIVOLATILES

**Project Name:** 40-40 NORHTERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231241  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231241-01  
**Client ID:** FB\_061322P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 09:05  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 06/25/22 03:48  
**Analyst:** SG

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 06/17/22 04:04

| Parameter   | Result | Qualifier | Units | RL   | MDL   | Dilution Factor |
|---|--------|-----------|-------|------|-------|-----------------|
| <b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b> |        |           |       |      |       |                 |
| Perfluorobutanoic Acid (PFBA)   | ND     |           | ng/l  | 1.78 | 0.362 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                       | ND     |           | ng/l  | 1.78 | 0.351 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                                   | ND     |           | ng/l  | 1.78 | 0.211 | 1               |
| Perfluorohexanoic Acid (PFHxA)  | ND     |           | ng/l  | 1.78 | 0.291 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                       | ND     |           | ng/l  | 1.78 | 0.200 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                                  | ND     |           | ng/l  | 1.78 | 0.334 | 1               |
| Perfluorooctanoic Acid (PFOA)   | ND     |           | ng/l  | 1.78 | 0.209 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                     | ND     |           | ng/l  | 1.78 | 1.18  | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                                 | ND     |           | ng/l  | 1.78 | 0.611 | 1               |
| Perfluorononanoic Acid (PFNA)   | ND     |           | ng/l  | 1.78 | 0.277 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                                   | ND     |           | ng/l  | 1.78 | 0.447 | 1               |
| Perfluorodecanoic Acid (PFDA)   | ND     |           | ng/l  | 1.78 | 0.270 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                     | ND     |           | ng/l  | 1.78 | 1.08  | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)             | ND     |           | ng/l  | 1.78 | 0.575 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                                      | ND     |           | ng/l  | 1.78 | 0.231 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                                   | ND     |           | ng/l  | 1.78 | 0.870 | 1               |
| Perfluorooctanesulfonamide (FOSA)                                     | ND     |           | ng/l  | 1.78 | 0.515 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)              | ND     |           | ng/l  | 1.78 | 0.714 | 1               |
| Perfluorododecanoic Acid (PFDoA)                                      | ND     |           | ng/l  | 1.78 | 0.330 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                                    | ND     |           | ng/l  | 1.78 | 0.290 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                                    | ND     |           | ng/l  | 1.78 | 0.220 | 1               |
| PFOA/PFOS, Total  | ND     |           | ng/l  | 1.78 | 0.209 | 1               |

**Project Name:** 40-40 NORHTERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231241  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231241-01  
 Client ID: FB\_061322P  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 09:05  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|----|-----|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |    |     |                 |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|--|------------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 92         |           | 58-132              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 95         |           | 62-163              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 90         |           | 70-131              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 92         |           | 57-129              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 90         |           | 60-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 97         |           | 71-134              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 85         |           | 62-129              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 61         |           | 14-147              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 83         |           | 59-139              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 91         |           | 69-131              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 79         |           | 62-124              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 73         |           | 10-162              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 78         |           | 24-116              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 80         |           | 55-137              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 26         |           | 10-112              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 85         |           | 27-126              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 91         |           | 48-131              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 79         |           | 22-136              |



**Project Name:** 40-40 NORHTERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231241  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231241-02  
**Client ID:** SB014 (0-2)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 10:05  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 06/25/22 13:38  
**Analyst:** MP  
**Percent Solids:** 97%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 06/16/22 18:10

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| <b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b> |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)   | ND     |           | ng/g  | 0.452 | 0.021 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                       | ND     |           | ng/g  | 0.452 | 0.042 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                                   | ND     |           | ng/g  | 0.226 | 0.035 | 1               |
| Perfluorohexanoic Acid (PFHxA)  | ND     |           | ng/g  | 0.452 | 0.048 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                       | ND     |           | ng/g  | 0.226 | 0.041 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                                  | ND     |           | ng/g  | 0.226 | 0.055 | 1               |
| Perfluorooctanoic Acid (PFOA)   | ND     |           | ng/g  | 0.226 | 0.038 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                     | ND     |           | ng/g  | 0.452 | 0.162 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                                 | ND     |           | ng/g  | 0.452 | 0.123 | 1               |
| Perfluorononanoic Acid (PFNA)   | ND     |           | ng/g  | 0.226 | 0.068 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                                   | 0.399  |           | ng/g  | 0.226 | 0.118 | 1               |
| Perfluorodecanoic Acid (PFDA)   | ND     |           | ng/g  | 0.226 | 0.061 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                     | ND     |           | ng/g  | 0.452 | 0.259 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)             | ND     |           | ng/g  | 0.452 | 0.182 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                                      | ND     |           | ng/g  | 0.452 | 0.042 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                                   | ND     |           | ng/g  | 0.452 | 0.138 | 1               |
| Perfluorooctanesulfonamide (FOSA)                                     | ND     |           | ng/g  | 0.452 | 0.089 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)              | ND     |           | ng/g  | 0.452 | 0.076 | 1               |
| Perfluorododecanoic Acid (PFDoA)                                      | ND     |           | ng/g  | 0.452 | 0.063 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                                    | ND     |           | ng/g  | 0.452 | 0.185 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                                    | ND     |           | ng/g  | 0.452 | 0.049 | 1               |
| PFOA/PFOS, Total  | 0.399  |           | ng/g  | 0.226 | 0.038 | 1               |

**Project Name:** 40-40 NORHTERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231241  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231241-02  
 Client ID: SB014 (0-2)P  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 10:05  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|----|-----|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |    |     |                 |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|--|------------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 87         |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 88         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 89         |           | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 87         |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 90         |           | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 93         |           | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 87         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 75         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 81         |           | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 86         |           | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 83         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 69         |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 53         |           | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 104        |           | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 92         |           | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 61         |           | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 112        |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 72         |           | 24-159              |

**Project Name:** 40-40 NORHTERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231241  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231241-03  
**Client ID:** SB015 (0-2)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 11:45  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 06/25/22 13:55  
**Analyst:** MP  
**Percent Solids:** 92%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 06/16/22 18:10

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| <b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b> |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)   | ND     |           | ng/g  | 0.521 | 0.024 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                       | ND     |           | ng/g  | 0.521 | 0.048 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                                   | ND     |           | ng/g  | 0.260 | 0.041 | 1               |
| Perfluorohexanoic Acid (PFHxA)  | ND     |           | ng/g  | 0.521 | 0.055 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                       | ND     |           | ng/g  | 0.260 | 0.047 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                                  | ND     |           | ng/g  | 0.260 | 0.063 | 1               |
| Perfluorooctanoic Acid (PFOA)   | ND     |           | ng/g  | 0.260 | 0.044 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                     | ND     |           | ng/g  | 0.521 | 0.187 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                                 | ND     |           | ng/g  | 0.521 | 0.142 | 1               |
| Perfluorononanoic Acid (PFNA)   | ND     |           | ng/g  | 0.260 | 0.078 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                                   | 0.300  |           | ng/g  | 0.260 | 0.135 | 1               |
| Perfluorodecanoic Acid (PFDA)   | ND     |           | ng/g  | 0.260 | 0.070 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                     | ND     |           | ng/g  | 0.521 | 0.299 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)             | ND     |           | ng/g  | 0.521 | 0.210 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                                      | ND     |           | ng/g  | 0.521 | 0.049 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                                   | ND     |           | ng/g  | 0.521 | 0.159 | 1               |
| Perfluorooctanesulfonamide (FOSA)                                     | ND     |           | ng/g  | 0.521 | 0.102 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)              | ND     |           | ng/g  | 0.521 | 0.088 | 1               |
| Perfluorododecanoic Acid (PFDoA)                                      | ND     |           | ng/g  | 0.521 | 0.073 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                                    | ND     |           | ng/g  | 0.521 | 0.213 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                                    | ND     |           | ng/g  | 0.521 | 0.056 | 1               |
| PFOA/PFOS, Total  | 0.300  |           | ng/g  | 0.260 | 0.044 | 1               |

**Project Name:** 40-40 NORHTERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231241  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231241-03  
 Client ID: SB015 (0-2)P  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 11:45  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|----|-----|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |    |     |                 |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|--|------------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 83         |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 83         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 84         |           | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 82         |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 85         |           | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 82         |           | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 80         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 78         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 75         |           | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 75         | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 73         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 66         |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 50         |           | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 95         |           | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 35         |           | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 54         |           | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 86         |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 31         |           | 24-159              |

**Project Name:** 40-40 NORHTERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231241  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231241-04  
**Client ID:** SB014 (10-12)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 12:35  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 06/25/22 14:11  
**Analyst:** MP  
**Percent Solids:** 92%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 06/16/22 18:10

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| <b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b> |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)   | ND     |           | ng/g  | 0.474 | 0.022 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                       | ND     |           | ng/g  | 0.474 | 0.044 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                                   | ND     |           | ng/g  | 0.237 | 0.037 | 1               |
| Perfluorohexanoic Acid (PFHxA)  | ND     |           | ng/g  | 0.474 | 0.050 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                       | ND     |           | ng/g  | 0.237 | 0.043 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                                  | ND     |           | ng/g  | 0.237 | 0.057 | 1               |
| Perfluorooctanoic Acid (PFOA)   | 0.074  | J         | ng/g  | 0.237 | 0.040 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                     | ND     |           | ng/g  | 0.474 | 0.170 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                                 | ND     |           | ng/g  | 0.474 | 0.129 | 1               |
| Perfluorononanoic Acid (PFNA)   | ND     |           | ng/g  | 0.237 | 0.071 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                                   | ND     |           | ng/g  | 0.237 | 0.123 | 1               |
| Perfluorodecanoic Acid (PFDA)   | ND     |           | ng/g  | 0.237 | 0.064 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                     | ND     |           | ng/g  | 0.474 | 0.272 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)             | ND     |           | ng/g  | 0.474 | 0.191 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                                      | ND     |           | ng/g  | 0.474 | 0.044 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                                   | ND     |           | ng/g  | 0.474 | 0.145 | 1               |
| Perfluorooctanesulfonamide (FOSA)                                     | ND     |           | ng/g  | 0.474 | 0.093 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)              | ND     |           | ng/g  | 0.474 | 0.080 | 1               |
| Perfluorododecanoic Acid (PFDoA)                                      | ND     |           | ng/g  | 0.474 | 0.066 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                                    | ND     |           | ng/g  | 0.474 | 0.194 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                                    | ND     |           | ng/g  | 0.474 | 0.051 | 1               |
| PFOA/PFOS, Total  | 0.074  | J         | ng/g  | 0.237 | 0.040 | 1               |

**Project Name:** 40-40 NORHTERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231241  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231241-04  
**Client ID:** SB014 (10-12)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 12:35  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|----|-----|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |    |     |                 |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|--|------------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 90         |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 91         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 91         |           | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 88         |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 92         |           | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 95         |           | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 89         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 83         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 84         |           | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 87         |           | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 83         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 80         |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 52         |           | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 107        |           | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 17         |           | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 68         |           | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 104        |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 48         |           | 24-159              |

**Project Name:** 40-40 NORHTERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231241  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231241-05  
**Client ID:** SB014 (14-16)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 12:45  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 06/25/22 14:28  
**Analyst:** MP  
**Percent Solids:** 93%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 06/16/22 18:10

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| <b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b> |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)   | ND     |           | ng/g  | 0.514 | 0.023 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                       | ND     |           | ng/g  | 0.514 | 0.047 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                                   | ND     |           | ng/g  | 0.257 | 0.040 | 1               |
| Perfluorohexanoic Acid (PFHxA)  | ND     |           | ng/g  | 0.514 | 0.054 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                       | ND     |           | ng/g  | 0.257 | 0.046 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                                  | ND     |           | ng/g  | 0.257 | 0.062 | 1               |
| Perfluorooctanoic Acid (PFOA)   | ND     |           | ng/g  | 0.257 | 0.043 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                     | ND     |           | ng/g  | 0.514 | 0.185 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                                 | ND     |           | ng/g  | 0.514 | 0.140 | 1               |
| Perfluorononanoic Acid (PFNA)   | ND     |           | ng/g  | 0.257 | 0.077 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                                   | ND     |           | ng/g  | 0.257 | 0.134 | 1               |
| Perfluorodecanoic Acid (PFDA)   | ND     |           | ng/g  | 0.257 | 0.069 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                     | ND     |           | ng/g  | 0.514 | 0.295 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)             | ND     |           | ng/g  | 0.514 | 0.207 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                                      | ND     |           | ng/g  | 0.514 | 0.048 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                                   | ND     |           | ng/g  | 0.514 | 0.157 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)              | ND     |           | ng/g  | 0.514 | 0.087 | 1               |
| Perfluorododecanoic Acid (PFDoA)                                      | ND     |           | ng/g  | 0.514 | 0.072 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                                    | ND     |           | ng/g  | 0.514 | 0.210 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                                    | ND     |           | ng/g  | 0.514 | 0.056 | 1               |
| PFOA/PFOS, Total  | ND     |           | ng/g  | 0.257 | 0.043 | 1               |

**Project Name:** 40-40 NORHTERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231241  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231241-05  
**Client ID:** SB014 (14-16)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 12:45  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|----|-----|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |    |     |                 |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|--|------------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 74         |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 74         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 75         |           | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 72         |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 75         |           | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 77         | Q         | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 72         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 68         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 66         | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 66         | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 67         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 60         |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 46         |           | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 83         |           | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 44         |           | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 79         |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 19         | Q         | 24-159              |



**Project Name:** 40-40 NORHTERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231241  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231241-05  
 Client ID: SB014 (14-16)P  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 12:45  
 Date Received: 06/13/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 06/26/22 15:18  
 Analyst: SG  
 Percent Solids: 93%

Extraction Method: ALPHA 23528  
 Extraction Date: 06/16/22 18:10

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

## Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

|                                   |    |  |      |       |       |   |
|-----------------------------------|----|--|------|-------|-------|---|
| Perfluorooctanesulfonamide (FOSA) | ND |  | ng/g | 0.514 | 0.101 | 1 |
|-----------------------------------|----|--|------|-------|-------|---|

| Surrogate (Extracted Internal Standard)   | % Recovery | Qualifier | Acceptance Criteria |
|---|------------|-----------|---------------------|
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 109        |           | 10-117              |

**Project Name:** 40-40 NORHTERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231241  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231241-06  
**Client ID:** SB015 (6-8)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 12:55  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 06/25/22 14:45  
**Analyst:** MP  
**Percent Solids:** 93%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 06/16/22 18:10

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| <b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b> |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)   | 0.035  | J         | ng/g  | 0.476 | 0.022 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                       | ND     |           | ng/g  | 0.476 | 0.044 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                                   | ND     |           | ng/g  | 0.238 | 0.037 | 1               |
| Perfluorohexanoic Acid (PFHxA)  | ND     |           | ng/g  | 0.476 | 0.050 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                       | ND     |           | ng/g  | 0.238 | 0.043 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                                  | ND     |           | ng/g  | 0.238 | 0.058 | 1               |
| Perfluorooctanoic Acid (PFOA)   | 0.051  | J         | ng/g  | 0.238 | 0.040 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                     | ND     |           | ng/g  | 0.476 | 0.171 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                                 | ND     |           | ng/g  | 0.476 | 0.130 | 1               |
| Perfluorononanoic Acid (PFNA)   | ND     |           | ng/g  | 0.238 | 0.071 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                                   | ND     |           | ng/g  | 0.238 | 0.124 | 1               |
| Perfluorodecanoic Acid (PFDA)   | ND     |           | ng/g  | 0.238 | 0.064 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                     | ND     |           | ng/g  | 0.476 | 0.273 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)             | ND     |           | ng/g  | 0.476 | 0.192 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                                      | ND     |           | ng/g  | 0.476 | 0.045 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                                   | ND     |           | ng/g  | 0.476 | 0.146 | 1               |
| Perfluorooctanesulfonamide (FOSA)                                     | ND     |           | ng/g  | 0.476 | 0.093 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)              | ND     |           | ng/g  | 0.476 | 0.081 | 1               |
| Perfluorododecanoic Acid (PFDoA)                                      | ND     |           | ng/g  | 0.476 | 0.067 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                                    | ND     |           | ng/g  | 0.476 | 0.195 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                                    | ND     |           | ng/g  | 0.476 | 0.051 | 1               |
| PFOA/PFOS, Total  | 0.051  | J         | ng/g  | 0.238 | 0.040 | 1               |

**Project Name:** 40-40 NORHTERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231241  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231241-06  
 Client ID: SB015 (6-8)P  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 12:55  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|----|-----|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |    |     |                 |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|--|------------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 91         |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 92         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 90         |           | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 91         |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 93         |           | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 97         |           | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 90         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 87         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 86         |           | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 86         |           | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 85         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 85         |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 55         |           | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 108        |           | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 19         |           | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 72         |           | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 106        |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 57         |           | 24-159              |

**Project Name:** 40-40 NORHTERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231241  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231241-07  
**Client ID:** SB015 (12-14)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 13:05  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 06/25/22 15:18  
**Analyst:** MP  
**Percent Solids:** 82%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 06/16/22 18:10

| Parameter   | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| <b>Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab</b> |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)   | ND     |           | ng/g  | 0.532 | 0.024 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                       | ND     |           | ng/g  | 0.532 | 0.049 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                                   | ND     |           | ng/g  | 0.266 | 0.042 | 1               |
| Perfluorohexanoic Acid (PFHxA)  | ND     |           | ng/g  | 0.532 | 0.056 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                       | ND     |           | ng/g  | 0.266 | 0.048 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                                  | ND     |           | ng/g  | 0.266 | 0.064 | 1               |
| Perfluorooctanoic Acid (PFOA)   | ND     |           | ng/g  | 0.266 | 0.045 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                     | ND     |           | ng/g  | 0.532 | 0.191 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                                 | ND     |           | ng/g  | 0.532 | 0.145 | 1               |
| Perfluorononanoic Acid (PFNA)   | ND     |           | ng/g  | 0.266 | 0.080 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                                   | ND     |           | ng/g  | 0.266 | 0.138 | 1               |
| Perfluorodecanoic Acid (PFDA)   | ND     |           | ng/g  | 0.266 | 0.071 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                     | ND     |           | ng/g  | 0.532 | 0.306 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)             | ND     |           | ng/g  | 0.532 | 0.215 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                                      | ND     |           | ng/g  | 0.532 | 0.050 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                                   | ND     |           | ng/g  | 0.532 | 0.163 | 1               |
| Perfluorooctanesulfonamide (FOSA)                                     | ND     |           | ng/g  | 0.532 | 0.104 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)              | 0.150  | J         | ng/g  | 0.532 | 0.090 | 1               |
| Perfluorododecanoic Acid (PFDoA)                                      | ND     |           | ng/g  | 0.532 | 0.075 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                                    | ND     |           | ng/g  | 0.532 | 0.218 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                                    | ND     |           | ng/g  | 0.532 | 0.058 | 1               |
| PFOA/PFOS, Total  | ND     |           | ng/g  | 0.266 | 0.045 | 1               |

**Project Name:** 40-40 NORHTERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231241  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231241-07  
 Client ID: SB015 (12-14)P  
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 13:05  
 Date Received: 06/13/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter  | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|----|-----|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |    |     |                 |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|--|------------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 80         |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 80         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 84         |           | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 80         |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 84         |           | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 85         |           | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 79         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 76         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 74         |           | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | <b>74</b>  | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | <b>72</b>  | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 69         |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | <b>16</b>  | Q         | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 94         |           | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 23         |           | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | <b>27</b>  | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 89         |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | <b>20</b>  | Q         | 24-159              |

**Project Name:** 40-40 NORHTERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231241  
**Report Date:** 06/27/22

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 06/25/22 12:16  
**Analyst:** MP

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 06/16/22 18:10

| Parameter  | Result | Qualifier | Units | RL    | MDL   |
|--|--------|-----------|-------|-------|-------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02-07 Batch: WG1651640-1 |        |           |       |       |       |
| Perfluorobutanoic Acid (PFBA)  | ND     |           | ng/g  | 0.500 | 0.023 |
| Perfluoropentanoic Acid (PFPeA)  | ND     |           | ng/g  | 0.500 | 0.046 |
| Perfluorobutanesulfonic Acid (PFBS)  | ND     |           | ng/g  | 0.250 | 0.039 |
| Perfluorohexanoic Acid (PFHxA)   | ND     |           | ng/g  | 0.500 | 0.053 |
| Perfluoroheptanoic Acid (PFHpA)  | ND     |           | ng/g  | 0.250 | 0.045 |
| Perfluorohexanesulfonic Acid (PFHxS)   | ND     |           | ng/g  | 0.250 | 0.061 |
| Perfluorooctanoic Acid (PFOA)  | ND     |           | ng/g  | 0.250 | 0.042 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)  | ND     |           | ng/g  | 0.500 | 0.180 |
| Perfluoroheptanesulfonic Acid (PFHpS)  | ND     |           | ng/g  | 0.500 | 0.136 |
| Perfluorononanoic Acid (PFNA)  | ND     |           | ng/g  | 0.250 | 0.075 |
| Perfluorooctanesulfonic Acid (PFOS)  | ND     |           | ng/g  | 0.250 | 0.130 |
| Perfluorodecanoic Acid (PFDA)  | ND     |           | ng/g  | 0.250 | 0.067 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)  | ND     |           | ng/g  | 0.500 | 0.287 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)  | ND     |           | ng/g  | 0.500 | 0.202 |
| Perfluoroundecanoic Acid (PFUnA)   | ND     |           | ng/g  | 0.500 | 0.047 |
| Perfluorodecanesulfonic Acid (PFDS)  | ND     |           | ng/g  | 0.500 | 0.153 |
| Perfluorooctanesulfonamide (FOSA)  | ND     |           | ng/g  | 0.500 | 0.098 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)   | ND     |           | ng/g  | 0.500 | 0.085 |
| Perfluorododecanoic Acid (PFDoA)   | ND     |           | ng/g  | 0.500 | 0.070 |
| Perfluorotridecanoic Acid (PFTrDA)   | ND     |           | ng/g  | 0.500 | 0.204 |
| Perfluorotetradecanoic Acid (PFTA)   | ND     |           | ng/g  | 0.500 | 0.054 |
| PFOA/PFOS, Total   | ND     |           | ng/g  | 0.250 | 0.042 |

**Project Name:** 40-40 NORHTERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231241  
**Report Date:** 06/27/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 134,LCMSMS-ID  
Analytical Date: 06/25/22 12:16  
Analyst: MP

Extraction Method: ALPHA 23528  
Extraction Date: 06/16/22 18:10

| Parameter  | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|----|-----|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02-07 Batch: WG1651640-1 |        |           |       |    |     |

| Surrogate (Extracted Internal Standard)                                | %Recovery | Qualifier | Acceptance Criteria |
|--|-----------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 66        |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 65        |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 62        | Q         | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 65        | Q         | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 67        | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 64        | Q         | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 62        | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 53        |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 56        | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 54        | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 56        | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 42        |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 45        |           | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 67        |           | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 31        |           | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 48        |           | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 64        |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 17        | Q         | 24-159              |

**Project Name:** 40-40 NORHTERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231241  
**Report Date:** 06/27/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 134,LCMSMS-ID  
Analytical Date: 06/26/22 15:03  
Analyst: SG

Extraction Method: ALPHA 23528  
Extraction Date: 06/16/22 18:10

| Parameter  | Result | Qualifier | Units | RL    | MDL   |
|--|--------|-----------|-------|-------|-------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02-07 Batch: WG1651640-1 |        |           |       |       |       |
| Perfluorooctanesulfonamide (FOSA)  | ND     |           | ng/g  | 0.500 | 0.098 |

| Surrogate (Extracted Internal Standard)   | %Recovery | Qualifier | Acceptance Criteria |
|---|-----------|-----------|---------------------|
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 119       | Q         | 10-117              |



**Project Name:** 40-40 NORHTERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231241  
**Report Date:** 06/27/22

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 06/19/22 09:57  
**Analyst:** SG

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 06/17/22 04:04

| Parameter   | Result | Qualifier | Units | RL   | MDL   |
|---|--------|-----------|-------|------|-------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1651805-1 |        |           |       |      |       |
| Perfluorobutanoic Acid (PFBA)   | ND     |           | ng/l  | 2.00 | 0.408 |
| Perfluoropentanoic Acid (PFPeA)   | ND     |           | ng/l  | 2.00 | 0.396 |
| Perfluorobutanesulfonic Acid (PFBS)   | ND     |           | ng/l  | 2.00 | 0.238 |
| Perfluorohexanoic Acid (PFHxA)  | ND     |           | ng/l  | 2.00 | 0.328 |
| Perfluoroheptanoic Acid (PFHpA)   | ND     |           | ng/l  | 2.00 | 0.225 |
| Perfluorohexanesulfonic Acid (PFHxS)  | ND     |           | ng/l  | 2.00 | 0.376 |
| Perfluorooctanoic Acid (PFOA)   | ND     |           | ng/l  | 2.00 | 0.236 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)   | ND     |           | ng/l  | 2.00 | 1.33  |
| Perfluoroheptanesulfonic Acid (PFHpS)   | ND     |           | ng/l  | 2.00 | 0.688 |
| Perfluorononanoic Acid (PFNA)   | ND     |           | ng/l  | 2.00 | 0.312 |
| Perfluorooctanesulfonic Acid (PFOS)   | ND     |           | ng/l  | 2.00 | 0.504 |
| Perfluorodecanoic Acid (PFDA)   | ND     |           | ng/l  | 2.00 | 0.304 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)   | ND     |           | ng/l  | 2.00 | 1.21  |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)   | ND     |           | ng/l  | 2.00 | 0.648 |
| Perfluoroundecanoic Acid (PFUnA)  | ND     |           | ng/l  | 2.00 | 0.260 |
| Perfluorodecanesulfonic Acid (PFDS)   | ND     |           | ng/l  | 2.00 | 0.980 |
| Perfluorooctanesulfonamide (FOSA)   | ND     |           | ng/l  | 2.00 | 0.580 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)  | ND     |           | ng/l  | 2.00 | 0.804 |
| Perfluorododecanoic Acid (PFDoA)  | ND     |           | ng/l  | 2.00 | 0.372 |
| Perfluorotridecanoic Acid (PFTrDA)  | ND     |           | ng/l  | 2.00 | 0.327 |
| Perfluorotetradecanoic Acid (PFTA)  | ND     |           | ng/l  | 2.00 | 0.248 |
| PFOA/PFOS, Total  | ND     |           | ng/l  | 2.00 | 0.236 |

**Project Name:** 40-40 NORHTERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231241  
**Report Date:** 06/27/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 134,LCMSMS-ID  
Analytical Date: 06/19/22 09:57  
Analyst: SG

Extraction Method: ALPHA 23528  
Extraction Date: 06/17/22 04:04

| Parameter   | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|----|-----|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1651805-1 |        |           |       |    |     |

| Surrogate (Extracted Internal Standard)                                | %Recovery | Qualifier | Acceptance Criteria |
|--|-----------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 85        |           | 58-132              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 97        |           | 62-163              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 86        |           | 70-131              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 92        |           | 57-129              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 93        |           | 60-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 85        |           | 71-134              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 85        |           | 62-129              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 71        |           | 14-147              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 83        |           | 59-139              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 80        |           | 69-131              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 83        |           | 62-124              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 69        |           | 10-162              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 71        |           | 24-116              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 91        |           | 55-137              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 42        |           | 10-112              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 67        |           | 27-126              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 82        |           | 48-131              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 61        |           | 22-136              |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORHTERN BLVD

Lab Number: L2231241

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-07 Batch: WG1651640-2 |                  |      |                   |      |                     |     |      |               |
| Perfluorobutanoic Acid (PFBA)   | 94               |      | -                 |      | 71-135              | -   |      | 30            |
| Perfluoropentanoic Acid (PFPeA)   | 96               |      | -                 |      | 69-132              | -   |      | 30            |
| Perfluorobutanesulfonic Acid (PFBS)   | 92               |      | -                 |      | 72-128              | -   |      | 30            |
| Perfluorohexanoic Acid (PFHxA)  | 96               |      | -                 |      | 70-132              | -   |      | 30            |
| Perfluoroheptanoic Acid (PFHpA)   | 94               |      | -                 |      | 71-131              | -   |      | 30            |
| Perfluorohexanesulfonic Acid (PFHxS)  | 110              |      | -                 |      | 67-130              | -   |      | 30            |
| Perfluorooctanoic Acid (PFOA)   | 100              |      | -                 |      | 69-133              | -   |      | 30            |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)   | 104              |      | -                 |      | 64-140              | -   |      | 30            |
| Perfluoroheptanesulfonic Acid (PFHpS)   | 116              |      | -                 |      | 70-132              | -   |      | 30            |
| Perfluorononanoic Acid (PFNA)   | 110              |      | -                 |      | 72-129              | -   |      | 30            |
| Perfluorooctanesulfonic Acid (PFOS)   | 121              |      | -                 |      | 68-136              | -   |      | 30            |
| Perfluorodecanoic Acid (PFDA)   | 107              |      | -                 |      | 69-133              | -   |      | 30            |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)   | 102              |      | -                 |      | 65-137              | -   |      | 30            |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)   | 95               |      | -                 |      | 63-144              | -   |      | 30            |
| Perfluoroundecanoic Acid (PFUnA)  | 80               |      | -                 |      | 64-136              | -   |      | 30            |
| Perfluorodecanesulfonic Acid (PFDS)   | 106              |      | -                 |      | 59-134              | -   |      | 30            |
| Perfluorooctanesulfonamide (FOSA)   | 99               |      | -                 |      | 67-137              | -   |      | 30            |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)  | 98               |      | -                 |      | 61-139              | -   |      | 30            |
| Perfluorododecanoic Acid (PFDoA)  | 96               |      | -                 |      | 69-135              | -   |      | 30            |
| Perfluorotridecanoic Acid (PFTrDA)  | 144              | Q    | -                 |      | 66-139              | -   |      | 30            |
| Perfluorotetradecanoic Acid (PFTA)  | 130              |      | -                 |      | 69-133              | -   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORHTERN BLVD

Lab Number: L2231241

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-07 Batch: WG1651640-2 |                  |      |                   |      |                     |     |      |               |

| Surrogate (Extracted Internal Standard)                                | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|--|------------------|------|-------------------|------|------------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 69               |      |                   |      | 61-135                 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 68               |      |                   |      | 58-150                 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 67               | Q    |                   |      | 74-139                 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 67               |      |                   |      | 66-128                 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 71               |      |                   |      | 71-129                 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 68               | Q    |                   |      | 78-139                 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 64               | Q    |                   |      | 75-130                 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 58               |      |                   |      | 20-154                 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 58               | Q    |                   |      | 72-140                 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 57               | Q    |                   |      | 79-136                 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 59               | Q    |                   |      | 75-130                 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 51               |      |                   |      | 19-175                 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 64               |      |                   |      | 31-134                 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 77               |      |                   |      | 61-155                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 44               |      |                   |      | 10-117                 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 62               |      |                   |      | 34-137                 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 72               |      |                   |      | 54-150                 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 28               |      |                   |      | 24-159                 |

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 40-40 NORHTERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231241  
**Report Date:** 06/27/22

| <b>Parameter</b>  | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|---|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-07 Batch: WG1651640-2 |                          |             |                           |             |                             |            |             |                       |
| Perfluorooctanesulfonamide (FOSA)   | 104                      |             | -                         |             | 67-137                      | -          |             | 30                    |

| <b>Surrogate (Extracted Internal Standard)</b> | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> |
|--|--------------------------|-------------|---------------------------|-------------|--------------------------------|
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)      | 134                      | Q           |                           |             | 10-117                         |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORHTERN BLVD

Lab Number: L2231241

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1651805-2 |                  |      |                   |      |                     |     |      |               |
| Perfluorobutanoic Acid (PFBA)  | 106              |      | -                 |      | 67-148              | -   |      | 30            |
| Perfluoropentanoic Acid (PFPeA)  | 106              |      | -                 |      | 63-161              | -   |      | 30            |
| Perfluorobutanesulfonic Acid (PFBS)  | 110              |      | -                 |      | 65-157              | -   |      | 30            |
| Perfluorohexanoic Acid (PFHxA)   | 106              |      | -                 |      | 69-168              | -   |      | 30            |
| Perfluoroheptanoic Acid (PFHpA)  | 106              |      | -                 |      | 58-159              | -   |      | 30            |
| Perfluorohexanesulfonic Acid (PFHxS)   | 120              |      | -                 |      | 69-177              | -   |      | 30            |
| Perfluorooctanoic Acid (PFOA)  | 110              |      | -                 |      | 63-159              | -   |      | 30            |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)  | 113              |      | -                 |      | 49-187              | -   |      | 30            |
| Perfluoroheptanesulfonic Acid (PFHpS)  | 116              |      | -                 |      | 61-179              | -   |      | 30            |
| Perfluorononanoic Acid (PFNA)  | 119              |      | -                 |      | 68-171              | -   |      | 30            |
| Perfluorooctanesulfonic Acid (PFOS)  | 126              |      | -                 |      | 52-151              | -   |      | 30            |
| Perfluorodecanoic Acid (PFDA)  | 118              |      | -                 |      | 63-171              | -   |      | 30            |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)  | 108              |      | -                 |      | 56-173              | -   |      | 30            |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)  | 119              |      | -                 |      | 60-166              | -   |      | 30            |
| Perfluoroundecanoic Acid (PFUnA)   | 104              |      | -                 |      | 60-153              | -   |      | 30            |
| Perfluorodecanesulfonic Acid (PFDS)  | 118              |      | -                 |      | 38-156              | -   |      | 30            |
| Perfluorooctanesulfonamide (FOSA)  | 112              |      | -                 |      | 46-170              | -   |      | 30            |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)   | 102              |      | -                 |      | 45-170              | -   |      | 30            |
| Perfluorododecanoic Acid (PFDoA)   | 112              |      | -                 |      | 67-153              | -   |      | 30            |
| Perfluorotridecanoic Acid (PFTrDA)   | 147              |      | -                 |      | 48-158              | -   |      | 30            |
| Perfluorotetradecanoic Acid (PFTA)   | 153              |      | -                 |      | 59-182              | -   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 40-40 NORHTERN BLVD

Lab Number: L2231241

Project Number: 3883.0001Y000

Report Date: 06/27/22

| Parameter  | LCS       |      | LCSD      |      | %Recovery |      | RPD | RPD    |  |
|--|-----------|------|-----------|------|-----------|------|-----|--------|--|
|  | %Recovery | Qual | %Recovery | Qual | Limits    | Qual |     | Limits |  |
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1651805-2 |           |      |           |      |           |      |     |        |  |

| Surrogate (Extracted Internal Standard)                                | LCS       |      | LCSD      |      | Acceptance<br>Criteria |
|--|-----------|------|-----------|------|------------------------|
|  | %Recovery | Qual | %Recovery | Qual |                        |
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 85        |      |           |      | 58-132                 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 97        |      |           |      | 62-163                 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 84        |      |           |      | 70-131                 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 90        |      |           |      | 57-129                 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 89        |      |           |      | 60-129                 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 84        |      |           |      | 71-134                 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 84        |      |           |      | 62-129                 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 78        |      |           |      | 14-147                 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 79        |      |           |      | 59-139                 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 78        |      |           |      | 69-131                 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 79        |      |           |      | 62-124                 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 69        |      |           |      | 10-162                 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 77        |      |           |      | 24-116                 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 85        |      |           |      | 55-137                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 51        |      |           |      | 10-112                 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 75        |      |           |      | 27-126                 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 85        |      |           |      | 48-131                 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 59        |      |           |      | 22-136                 |

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 40-40 NORHTERN BLVD

**Lab Number:** L2231241

**Project Number:** 3883.0001Y000

**Report Date:** 06/27/22

| <i>Parameter</i>   | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|--|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-07 QC Batch ID: WG1651640-3 WG1651640-4 QC Sample: L2230338-06<br>Client ID: MS Sample |                      |                 |                 |                     |             |                  |                      |             |                        |            |             |                   |
| Perfluorooctanoic Acid (PFOA)  | ND                   | 8.31            | 8.24            | 99                  |             | 7.92             | 98                   |             | 69-133                 | 4          |             | 30                |
| Perfluorooctanesulfonic Acid (PFOS)  | 0.350J               | 7.71            | 9.38            | 117                 |             | 8.85             | 114                  |             | 68-136                 | 6          |             | 30                |

| <i>Surrogate (Extracted Internal Standard)</i> | <i>MS % Recovery</i> | <i>Qualifier</i> | <i>MSD % Recovery</i> | <i>Qualifier</i> | <i>Acceptance Criteria</i> |
|--|----------------------|------------------|-----------------------|------------------|----------------------------|
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)    | 85                   |                  | 86                    |                  | 79-136                     |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)          | 95                   |                  | 92                    |                  | 75-130                     |



## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 40-40 NORHTERN BLVD

**Lab Number:** L2231241

**Project Number:** 3883.0001Y000

**Report Date:** 06/27/22

| <i>Parameter</i>   | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|--|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1651805-3 QC Sample: L2231111-09 Client ID: MS Sample |                      |                 |                 |                     |             |                  |                      |             |                        |            |             |                   |
| Perfluorobutanoic Acid (PFBA)  | 8.26                 | 39.6            | 50.3            | 106                 |             | -                | -                    |             | 67-148                 | -          |             | 30                |
| Perfluoropentanoic Acid (PFPeA)  | 13.7                 | 39.6            | 54.9            | 104                 |             | -                | -                    |             | 63-161                 | -          |             | 30                |
| Perfluorobutanesulfonic Acid (PFBS)  | 7.58                 | 35.2            | 44.4            | 105                 |             | -                | -                    |             | 65-157                 | -          |             | 30                |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)  | ND                   | 37.1            | 42.2            | 114                 |             | -                | -                    |             | 37-219                 | -          |             | 30                |
| Perfluorohexanoic Acid (PFHxA)   | 14.0                 | 39.6            | 55.2            | 104                 |             | -                | -                    |             | 69-168                 | -          |             | 30                |
| Perfluoropentanesulfonic Acid (PFPeS)  | 9.72                 | 37.3            | 50.4            | 109                 |             | -                | -                    |             | 52-156                 | -          |             | 30                |
| Perfluoroheptanoic Acid (PFHpA)  | 11.7                 | 39.6            | 52.7            | 104                 |             | -                | -                    |             | 58-159                 | -          |             | 30                |
| Perfluorohexanesulfonic Acid (PFHxS)   | 90.6                 | 36.2            | 139             | 134                 |             | -                | -                    |             | 69-177                 | -          |             | 30                |
| Perfluorooctanoic Acid (PFOA)  | 37.3                 | 39.6            | 79.8            | 107                 |             | -                | -                    |             | 63-159                 | -          |             | 30                |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)  | ND                   | 37.7            | 42.4            | 113                 |             | -                | -                    |             | 49-187                 | -          |             | 30                |
| Perfluoroheptanesulfonic Acid (PFHpS)  | 1.95                 | 37.8            | 46.7            | 118                 |             | -                | -                    |             | 61-179                 | -          |             | 30                |
| Perfluorononanoic Acid (PFNA)  | 2.64                 | 39.6            | 48.8            | 117                 |             | -                | -                    |             | 68-171                 | -          |             | 30                |
| Perfluorooctanesulfonic Acid (PFOS)  | 43.7                 | 36.7            | 89.8            | 125                 |             | -                | -                    |             | 52-151                 | -          |             | 30                |
| Perfluorodecanoic Acid (PFDA)  | 0.912J               | 39.6            | 45.0            | 111                 |             | -                | -                    |             | 63-171                 | -          |             | 30                |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)  | ND                   | 38              | 40.6            | 107                 |             | -                | -                    |             | 56-173                 | -          |             | 30                |
| Perfluorononanesulfonic Acid (PFNS)  | ND                   | 38.1            | 42.6            | 112                 |             | -                | -                    |             | 48-150                 | -          |             | 30                |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)  | ND                   | 39.6            | 47.4            | 120                 |             | -                | -                    |             | 60-166                 | -          |             | 30                |
| Perfluoroundecanoic Acid (PFUnA)   | ND                   | 39.6            | 37.8            | 96                  |             | -                | -                    |             | 60-153                 | -          |             | 30                |
| Perfluorodecanesulfonic Acid (PFDS)  | ND                   | 38.2            | 38.3            | 100                 |             | -                | -                    |             | 38-156                 | -          |             | 30                |
| Perfluorooctanesulfonamide (FOSA)  | ND                   | 39.6            | 44.8            | 113                 |             | -                | -                    |             | 46-170                 | -          |             | 30                |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)   | ND                   | 39.6            | 43.1            | 109                 |             | -                | -                    |             | 45-170                 | -          |             | 30                |
| Perfluorododecanoic Acid (PFDoA)   | ND                   | 39.6            | 45.6            | 115                 |             | -                | -                    |             | 67-153                 | -          |             | 30                |

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 40-40 NORHTERN BLVD

**Lab Number:** L2231241

**Project Number:** 3883.0001Y000

**Report Date:** 06/27/22

| <i>Parameter</i>   | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|--|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1651805-3 QC Sample: L2231111-09 Client ID: MS Sample |                      |                 |                 |                     |             |                  |                      |             |                        |            |             |                   |
| Perfluorotridecanoic Acid (PFTTrDA)  | ND                   | 39.6            | 58.5            | 148                 |             | -                | -                    |             | 48-158                 | -          |             | 30                |
| Perfluorotetradecanoic Acid (PFTTA)  | ND                   | 39.6            | 59.8            | 151                 |             | -                | -                    |             | 59-182                 | -          |             | 30                |

| <i>Surrogate (Extracted Internal Standard)</i>                         | <i>MS % Recovery</i> | <i>Qualifier</i> | <i>MSD % Recovery</i> | <i>Qualifier</i> | <i>Acceptance Criteria</i> |
|--|----------------------|------------------|-----------------------|------------------|----------------------------|
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 136                  |                  |                       |                  | 10-162                     |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)         | 259                  | Q                |                       |                  | 12-142                     |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 223                  | Q                |                       |                  | 14-147                     |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 69                   |                  |                       |                  | 27-126                     |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 60                   |                  |                       |                  | 24-116                     |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUOA)                | 70                   |                  |                       |                  | 55-137                     |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 71                   |                  |                       |                  | 62-124                     |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 71                   |                  |                       |                  | 57-129                     |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 79                   |                  |                       |                  | 60-129                     |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 78                   |                  |                       |                  | 71-134                     |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 57                   |                  |                       |                  | 48-131                     |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 40                   |                  |                       |                  | 22-136                     |
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 79                   |                  |                       |                  | 58-132                     |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 77                   |                  |                       |                  | 62-163                     |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 19                   |                  |                       |                  | 10-112                     |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 75                   |                  |                       |                  | 69-131                     |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 81                   |                  |                       |                  | 62-129                     |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 76                   |                  |                       |                  | 59-139                     |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 80                   |                  |                       |                  | 70-131                     |

## Lab Duplicate Analysis

### Batch Quality Control

Project Name: 40-40 NORHTERN BLVD

Project Number: 3883.0001Y000

Lab Number: L2231241

Report Date: 06/27/22

| Parameter   | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1651805-4 QC Sample: L2231111-10 Client ID: DUP Sample |               |                  |       |     |      |            |
| Perfluorobutanoic Acid (PFBA)   | 6.46          | 6.48             | ng/l  | 0   |      | 30         |
| Perfluoropentanoic Acid (PFPeA)   | 7.01          | 7.24             | ng/l  | 3   |      | 30         |
| Perfluorobutanesulfonic Acid (PFBS)   | 4.81          | 4.79             | ng/l  | 0   |      | 30         |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)   | ND            | ND               | ng/l  | NC  |      | 30         |
| Perfluorohexanoic Acid (PFHxA)  | 5.72          | 5.68             | ng/l  | 1   |      | 30         |
| Perfluoropentanesulfonic Acid (PFPeS)   | 1.04J         | 1.37J            | ng/l  | NC  |      | 30         |
| Perfluoroheptanoic Acid (PFHpA)   | 3.60          | 3.54             | ng/l  | 2   |      | 30         |
| Perfluorohexanesulfonic Acid (PFHxS)  | 5.34          | 6.10             | ng/l  | 13  |      | 30         |
| Perfluorooctanoic Acid (PFOA)   | 13.5          | 13.6             | ng/l  | 1   |      | 30         |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)   | ND            | ND               | ng/l  | NC  |      | 30         |
| Perfluoroheptanesulfonic Acid (PFHpS)   | ND            | ND               | ng/l  | NC  |      | 30         |
| Perfluorononanoic Acid (PFNA)   | 0.706J        | 0.675J           | ng/l  | NC  |      | 30         |
| Perfluorooctanesulfonic Acid (PFOS)   | 8.68          | 9.16             | ng/l  | 5   |      | 30         |
| Perfluorodecanoic Acid (PFDA)   | ND            | ND               | ng/l  | NC  |      | 30         |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)   | ND            | ND               | ng/l  | NC  |      | 30         |
| Perfluorononanesulfonic Acid (PFNS)   | ND            | ND               | ng/l  | NC  |      | 30         |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)   | ND            | ND               | ng/l  | NC  |      | 30         |
| Perfluoroundecanoic Acid (PFUnA)  | ND            | ND               | ng/l  | NC  |      | 30         |
| Perfluorodecanesulfonic Acid (PFDS)   | ND            | ND               | ng/l  | NC  |      | 30         |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)  | ND            | ND               | ng/l  | NC  |      | 30         |

## Lab Duplicate Analysis

### Batch Quality Control

**Project Name:** 40-40 NORHTERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231241  
**Report Date:** 06/27/22

| Parameter   | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1651805-4 QC Sample: L2231111-10 Client ID: DUP Sample |               |                  |       |     |      |            |
| Perfluorododecanoic Acid (PFDoA)  | ND            | ND               | ng/l  | NC  |      | 30         |
| Perfluorotridecanoic Acid (PFTrDA)  | ND            | ND               | ng/l  | NC  |      | 30         |
| Perfluorotetradecanoic Acid (PFTA)  | ND            | ND               | ng/l  | NC  |      | 30         |

| Surrogate (Extracted Internal Standard)                                | %Recovery | Qualifier | %Recovery | Qualifier | Acceptance Criteria |
|--|-----------|-----------|-----------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 72        |           | 73        |           | 58-132              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 82        |           | 84        |           | 62-163              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 82        |           | 81        |           | 70-131              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)         | 147       | Q         | 134       |           | 12-142              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 71        |           | 76        |           | 57-129              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 75        |           | 81        |           | 60-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 83        |           | 81        |           | 71-134              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 70        |           | 76        |           | 62-129              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 92        |           | 89        |           | 14-147              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 64        |           | 68        |           | 59-139              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 75        |           | 74        |           | 69-131              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 66        |           | 69        |           | 62-124              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 63        |           | 58        |           | 10-162              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 49        |           | 58        |           | 24-116              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 77        |           | 80        |           | 55-137              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 53        |           | 57        |           | 27-126              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 68        |           | 66        |           | 48-131              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 48        |           | 48        |           | 22-136              |

# **INORGANICS & MISCELLANEOUS**

Project Name: 40-40 NORHTERN BLVD

Project Number: 3883.0001Y000

Lab Number: L2231241

Report Date: 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231241-02

Client ID: SB014 (0-2)P

Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 10:05

Date Received: 06/13/22

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter                                | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|--|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------------|---------|
| <b>General Chemistry - Mansfield Lab</b> |        |           |       |       |       |                    |                  |                  |                      |         |
| Solids, Total                            | 96.6   |           | %     | 0.100 | 0.100 | 1                  | -                | 06/15/22 13:37   | 121,2540G            | SK      |



**Project Name:** 40-40 NORHTERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231241  
**Report Date:** 06/27/22

**SAMPLE RESULTS**

**Lab ID:** L2231241-03  
**Client ID:** SB015 (0-2)P  
**Sample Location:** 40-40 NORTHERN BLVD

**Date Collected:** 06/13/22 11:45  
**Date Received:** 06/13/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                                | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared | Date Analyzed  | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|-----------------|---------------|----------------|-------------------|---------|
| <b>General Chemistry - Mansfield Lab</b> |        |           |       |       |       |                 |               |                |                   |         |
| Solids, Total                            | 91.9   |           | %     | 0.100 | 0.100 | 1               | -             | 06/15/22 13:54 | 121,2540G         | SK      |



Project Name: 40-40 NORHTERN BLVD

Lab Number: L2231241

Project Number: 3883.0001Y000

Report Date: 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231241-04

Date Collected: 06/13/22 12:35

Client ID: SB014 (10-12)P

Date Received: 06/13/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter                                | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|--|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------------|---------|
| <b>General Chemistry - Mansfield Lab</b> |        |           |       |       |       |                    |                  |                  |                      |         |
| Solids, Total                            | 91.9   |           | %     | 0.100 | 0.100 | 1                  | -                | 06/15/22 13:37   | 121,2540G            | SK      |





Project Name: 40-40 NORHTERN BLVD

Project Number: 3883.0001Y000

Lab Number: L2231241

Report Date: 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231241-05

Client ID: SB014 (14-16)P

Sample Location: 40-40 NORTHERN BLVD

Date Collected: 06/13/22 12:45

Date Received: 06/13/22

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter                                | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|--|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------------|---------|
| <b>General Chemistry - Mansfield Lab</b> |        |           |       |       |       |                    |                  |                  |                      |         |
| Solids, Total                            | 92.6   |           | %     | 0.100 | 0.100 | 1                  | -                | 06/15/22 13:37   | 121,2540G            | SK      |



Project Name: 40-40 NORHTERN BLVD

Lab Number: L2231241

Project Number: 3883.0001Y000

Report Date: 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231241-06

Date Collected: 06/13/22 12:55

Client ID: SB015 (6-8)P

Date Received: 06/13/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter                                | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|--|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------------|---------|
| <b>General Chemistry - Mansfield Lab</b> |        |           |       |       |       |                    |                  |                  |                      |         |
| Solids, Total                            | 92.7   |           | %     | 0.100 | 0.100 | 1                  | -                | 06/15/22 13:37   | 121,2540G            | SK      |



Project Name: 40-40 NORHTERN BLVD

Lab Number: L2231241

Project Number: 3883.0001Y000

Report Date: 06/27/22

**SAMPLE RESULTS**

Lab ID: L2231241-07

Date Collected: 06/13/22 13:05

Client ID: SB015 (12-14)P

Date Received: 06/13/22

Sample Location: 40-40 NORTHERN BLVD

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter                                | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|--|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------------|---------|
| <b>General Chemistry - Mansfield Lab</b> |        |           |       |       |       |                    |                  |                  |                      |         |
| Solids, Total                            | 82.0   |           | %     | 0.100 | 0.100 | 1                  | -                | 06/15/22 13:37   | 121,2540G            | SK      |



### Lab Duplicate Analysis *Batch Quality Control*

**Project Name:** 40-40 NORHTERN BLVD

**Project Number:** 3883.0001Y000

**Lab Number:** L2231241

**Report Date:** 06/27/22

| Parameter  | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|--|---------------|------------------|-------|-----|------|------------|
| General Chemistry - Mansfield Lab Associated sample(s): 02,04-07 QC Batch ID: WG1650900-1 QC Sample: L2231241-04 Client ID: SB014 (10-12)P |               |                  |       |     |      |            |
| Solids, Total  | 91.9          | 92.0             | %     | 0   |      | 10         |
| General Chemistry - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1650958-1 QC Sample: L2231241-03 Client ID: SB015 (0-2)P         |               |                  |       |     |      |            |
| Solids, Total  | 91.9          | 92.4             | %     | 1   |      | 10         |



**Project Name:** 40-40 NORHTERN BLVD**Lab Number:** L2231241**Project Number:** 3883.0001Y000**Report Date:** 06/27/22**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

| <b>Cooler</b> | <b>Custody Seal</b> |
|---------------|---------------------|
| A             | Absent              |
| B             | Absent              |

**Container Information**

| <b>Container ID</b> | <b>Container Type</b>          | <b>Cooler</b> | <b>Initial pH</b> | <b>Final pH</b> | <b>Temp deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen Date/Time</b> | <b>Analysis(*)</b>    |
|---------------------|--------------------------------|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|-----------------------|
| L2231241-01A        | Plastic 250ml unpreserved      | B             | NA                |                 | 3.8               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14) |
| L2231241-02A        | Plastic 2oz unpreserved for TS | B             | NA                |                 | 3.8               | Y           | Absent      |                         | A2-TS(7)              |
| L2231241-02B        | Plastic 8oz unpreserved        | B             | NA                |                 | 3.8               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14) |
| L2231241-03A        | Plastic 2oz unpreserved for TS | B             | NA                |                 | 3.8               | Y           | Absent      |                         | A2-TS(7)              |
| L2231241-03B        | Plastic 8oz unpreserved        | B             | NA                |                 | 3.8               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14) |
| L2231241-04A        | Plastic 2oz unpreserved for TS | B             | NA                |                 | 3.8               | Y           | Absent      |                         | A2-TS(7)              |
| L2231241-04B        | Plastic 8oz unpreserved        | B             | NA                |                 | 3.8               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14) |
| L2231241-05A        | Plastic 2oz unpreserved for TS | B             | NA                |                 | 3.8               | Y           | Absent      |                         | A2-TS(7)              |
| L2231241-05B        | Plastic 8oz unpreserved        | B             | NA                |                 | 3.8               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14) |
| L2231241-06A        | Plastic 2oz unpreserved for TS | B             | NA                |                 | 3.8               | Y           | Absent      |                         | A2-TS(7)              |
| L2231241-06B        | Plastic 8oz unpreserved        | B             | NA                |                 | 3.8               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14) |
| L2231241-07A        | Plastic 2oz unpreserved for TS | B             | NA                |                 | 3.8               | Y           | Absent      |                         | A2-TS(7)              |
| L2231241-07B        | Plastic 8oz unpreserved        | B             | NA                |                 | 3.8               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14) |

**Project Name:** 40-40 NORHTERN BLVD  
**Project Number:** 3883.0001Y000

Serial\_No:06272211:30  
**Lab Number:** L2231241  
**Report Date:** 06/27/22

### PFAS PARAMETER SUMMARY

| Parameter   | Acronym      | CAS Number  |
|---|--------------|-------------|
| <b>PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)</b>                          |              |             |
| Perfluorooctadecanoic Acid  | PFODA        | 16517-11-6  |
| Perfluorohexadecanoic Acid  | PFHxDA       | 67905-19-5  |
| Perfluorotetradecanoic Acid   | PFTA         | 376-06-7    |
| Perfluorotridecanoic Acid   | PFTrDA       | 72629-94-8  |
| Perfluorododecanoic Acid  | PFDoA        | 307-55-1    |
| Perfluoroundecanoic Acid  | PFUnA        | 2058-94-8   |
| Perfluorodecanoic Acid  | PFDA         | 335-76-2    |
| Perfluorononanoic Acid  | PFNA         | 375-95-1    |
| Perfluorooctanoic Acid  | PFOA         | 335-67-1    |
| Perfluoroheptanoic Acid   | PFHpA        | 375-85-9    |
| Perfluorohexanoic Acid  | PFHxA        | 307-24-4    |
| Perfluoropentanoic Acid   | PFPeA        | 2706-90-3   |
| Perfluorobutanoic Acid  | PFBA         | 375-22-4    |
| <b>PERFLUOROALKYL SULFONIC ACIDS (PFSAs)</b>                            |              |             |
| Perfluorododecanesulfonic Acid  | PFDoDS       | 79780-39-5  |
| Perfluorodecanesulfonic Acid  | PFDS         | 335-77-3    |
| Perfluorononanesulfonic Acid  | PFNS         | 68259-12-1  |
| Perfluorooctanesulfonic Acid  | PFOS         | 1763-23-1   |
| Perfluoroheptanesulfonic Acid   | PFHpS        | 375-92-8    |
| Perfluorohexanesulfonic Acid  | PFHxS        | 355-46-4    |
| Perfluoropentanesulfonic Acid   | PFPeS        | 2706-91-4   |
| Perfluorobutanesulfonic Acid  | PFBS         | 375-73-5    |
| <b>FLUOROTELOMERS</b>   |              |             |
| 1H,1H,2H,2H-Perfluorododecanesulfonic Acid                              | 10:2FTS      | 120226-60-0 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid                                | 8:2FTS       | 39108-34-4  |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid                                | 6:2FTS       | 27619-97-2  |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid                                | 4:2FTS       | 757124-72-4 |
| <b>PERFLUOROALKANE SULFONAMIDES (FASAs)</b>                             |              |             |
| Perfluorooctanesulfonamide  | FOSA         | 754-91-6    |
| N-Ethyl Perfluorooctane Sulfonamide                                     | NEtFOSA      | 4151-50-2   |
| N-Methyl Perfluorooctane Sulfonamide                                    | NMeFOSA      | 31506-32-8  |
| <b>PERFLUOROALKANE SULFONYL SUBSTANCES</b>                              |              |             |
| N-Ethyl Perfluorooctanesulfonamido Ethanol                              | NEtFOSE      | 1691-99-2   |
| N-Methyl Perfluorooctanesulfonamido Ethanol                             | NMeFOSE      | 24448-09-7  |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid                           | NEtFOSAA     | 2991-50-6   |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid                          | NMeFOSAA     | 2355-31-9   |
| <b>PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS</b>                  |              |             |
| 2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid | HFPO-DA      | 13252-13-6  |
| 4,8-Dioxa-3h-Perfluorononanoic Acid                                     | ADONA        | 919005-14-4 |
| <b>CHLORO-PERFLUOROALKYL SULFONIC ACIDS</b>                             |              |             |
| 11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid                      | 11Cl-PF3OUdS | 763051-92-9 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid                        | 9Cl-PF3ONS   | 756426-58-1 |
| <b>PERFLUOROETHER SULFONIC ACIDS (PFESAs)</b>                           |              |             |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid                                  | PFEEESA      | 113507-82-7 |
| <b>PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)</b>               |              |             |
| Perfluoro-3-Methoxypropanoic Acid                                       | PFMPA        | 377-73-1    |
| Perfluoro-4-Methoxybutanoic Acid  | PFMBA        | 863090-89-5 |
| Nonafluoro-3,6-Dioxaheptanoic Acid                                      | NFDHA        | 151772-58-6 |

**Project Name:** 40-40 NORHTERN BLVD  
**Project Number:** 3883.0001Y000

**Lab Number:** L2231241  
**Report Date:** 06/27/22

## GLOSSARY

### Acronyms

|          |  |
|----------|--|
| DL       | - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  |
| EDL      | - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).   |
| EMPC     | - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.   |
| EPA      | - Environmental Protection Agency.   |
| LCS      | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.  |
| LCSD     | - Laboratory Control Sample Duplicate: Refer to LCS.   |
| LFB      | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.   |
| LOD      | - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)   |
| LOQ      | - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)<br><br>Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) |
| MDL      | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.  |
| MS       | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.  |
| MSD      | - Matrix Spike Sample Duplicate: Refer to MS.  |
| NA       | - Not Applicable.  |
| NC       | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.   |
| NDPA/DPA | - N-Nitrosodiphenylamine/Diphenylamine.  |
| NI       | - Not Ignitable.   |
| NP       | - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.  |
| NR       | - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.  |
| RL       | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.   |
| RPD      | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.  |
| SRM      | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.   |
| STLP     | - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.  |
| TEF      | - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.   |
| TEQ      | - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.  |
| TIC      | - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.  |

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### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Chlordane:** The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Gasoline Range Organics (GRO):** Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

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#### **Data Qualifiers**

Identified Compounds (TICs).

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

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## REFERENCES

- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

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The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 625/625.1:** alpha-Terpineol

**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**Biological Tissue Matrix:** EPA 3050B

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The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LCHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

**SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

**EPA 522, EPA 537.1.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1 Hg.**

**SM2340B**

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For a complete listing of analytes and methods, please contact your Alpha Project Manager.

