# 1825 OCEAN AVENUE
# BROOKLYN, NY

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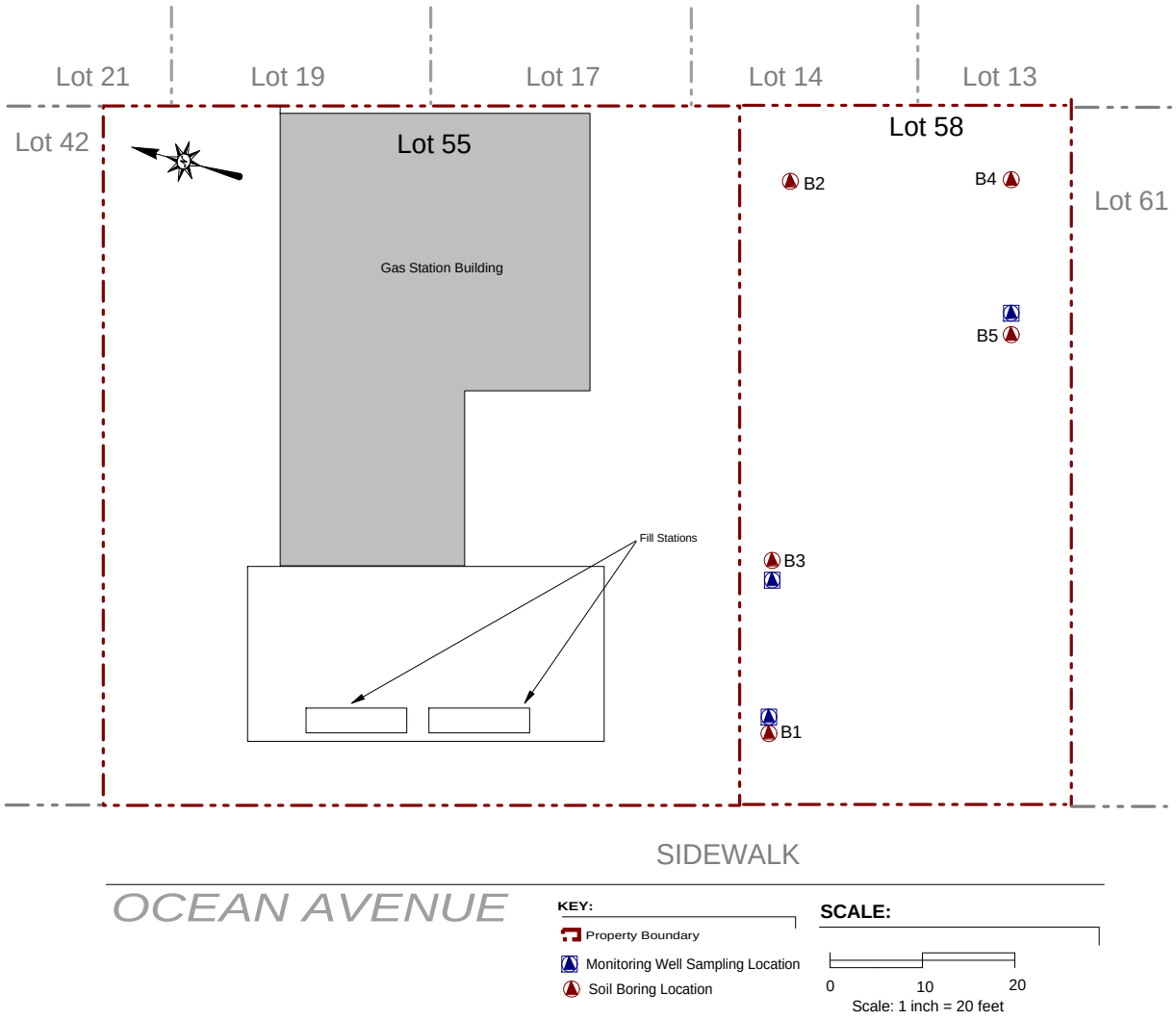
# PHASE II INVESTIGATION
# DATA SUMMARY

MAY 2015

*Prepared By:*

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
1808 Middle Country Road
Ridge, NY 11961

# ***FIGURES***




EBC
Environmental Business Consultants
Phone 631.504.6000
Fax 631. 924 .2870

Figure No. 2

Site Name: SUNOCO GAS STATION AND PARKING LOT
Site Address: 1815-1825 OCEAN AVENUE, BROOKLYN, NY
Drawing Title: SAMPLE LOCATIONS

# ***SUMMARY TABLES***

TABLE 1
1825 Ocean Avenue
Brooklyn, New York
Soil Analytical Results
Volatile Organic Compounds

| COMPOUND | NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives* | NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives* | B1 (23-25') 4/22/2015 µg/Kg | | B2 (23-25') 4/22/2015 µg/Kg | |
|---|---|---|---|---|---|---|
| | | | Result | RL | Result | RL |
| 1,1,1,2-Tetrachlorothane | | | < 270 | 270 | < 14000 | 14,000 |
| 1,1,1-Trichloroethane | 680 | 100,000 | < 270 | 270 | < 14000 | 14,000 |
| 1,1,2,2-Tetrachloroethane | | | < 270 | 270 | < 14000 | 14,000 |
| 1,1,2-Trichloroethane | | | < 270 | 270 | < 14000 | 14,000 |
| 1,1-Dichloroethane | 270 | 26,000 | < 270 | 270 | < 14000 | 14,000 |
| 1,1-Dichloroethene | 330 | 100,000 | < 270 | 270 | < 14000 | 14,000 |
| 1,1-Dichloropropene | | | < 270 | 270 | < 14000 | 14,000 |
| 1,2,3-Trichlorobenzene | | | < 270 | 270 | < 14000 | 14,000 |
| 1,2,3-Trichloropropane | | | < 270 | 270 | < 14000 | 14,000 |
| 1,2,4-Trichlorobenzene | | | < 270 | 270 | < 14000 | 14,000 |
| 1,2,4-Trimethylbenzene | 3,600 | 52,000 | **9,400** | 1,300 | **230,000** | 14,000 |
| 1,2-Dibromo-3-chloropropane | | | < 270 | 270 | < 14000 | 14,000 |
| 1,2-Dibromomethane | | | < 270 | 270 | < 14000 | 14,000 |
| 1,2-Dichlorobenzene | 1,100 | 100,000 | < 270 | 270 | < 14000 | 14,000 |
| 1,2-Dichloroethane | 20 | 3,100 | < 270 | 270 | < 14000 | 14,000 |
| 1,2-Dichloropropane | | | < 270 | 270 | < 14000 | 14,000 |
| 1,3,5-Trimethylbenzene | 8,400 | 52,000 | **3,300** | 270 | **70,000** | 14,000 |
| 1,3-Dichlorobenzene | 2,400 | 4,900 | < 270 | 270 | < 14000 | 14,000 |
| 1,3-Dichloropropane | | | < 270 | 270 | < 14000 | 14,000 |
| 1,4-Dichlorobenzene | 1,800 | 13,000 | < 270 | 270 | < 14000 | 14,000 |
| 2,2-Dichloropropane | | | < 270 | 270 | < 14000 | 14,000 |
| 2-Chlorotoluene | | | < 270 | 270 | < 14000 | 14,000 |
| 2-Hexanone (Methyl Butyl Ketone) | | | < 1300 | 1,300 | < 71000 | 71,000 |
| 2-Isopropyltoluene | | | **54** | 270 | < 14000 | 14,000 |
| 4-Chlorotoluene | | | < 270 | 270 | < 14000 | 14,000 |
| 4-Methyl-2-Pentanone | | | < 1300 | 1,300 | < 71000 | 71,000 |
| Acetone | 50 | 100,000 | < 2700 | 2,700 | < 140000 | 140,000 |
| Acrylonitrile | | | < 530 | 530 | < 29000 | 29,000 |
| Benzene | 60 | 4,800 | < 270 | 270 | < 14000 | 14,000 |
| Bromobenzene | | | < 270 | 270 | < 14000 | 14,000 |
| Bromochloromethane | | | < 270 | 270 | < 14000 | 14,000 |
| Bromodichloromethane | | | < 270 | 270 | < 14000 | 14,000 |
| Bromoform | | | < 270 | 270 | < 14000 | 14,000 |
| Bromomethane | | | < 270 | 270 | < 14000 | 14,000 |
| Carbon Disulfide | | | < 270 | 270 | < 14000 | 14,000 |
| Carbon tetrachloride | 760 | 2,400 | < 270 | 270 | < 14000 | 14,000 |
| Chlorobenzene | 1,100 | 100,000 | < 270 | 270 | < 14000 | 14,000 |
| Chloroethane | | | < 270 | 270 | < 14000 | 14,000 |
| Chloroform | 370 | 49,000 | < 270 | 270 | < 14000 | 14,000 |
| Chloromethane | | | < 270 | 270 | < 14000 | 14,000 |
| cis-1,2-Dichloroethene | 250 | 100,000 | < 270 | 270 | < 14000 | 14,000 |
| cis-1,3-Dichloropropene | | | < 270 | 270 | < 14000 | 14,000 |
| Dibromochloromethane | | | < 270 | 270 | < 14000 | 14,000 |
| Dibromomethane | | | < 270 | 270 | < 14000 | 14,000 |
| Dichlorodifluoromethane | | | < 270 | 270 | < 14000 | 14,000 |
| Ethylbenzene | 1,000 | 41,000 | **210** | 270 | **22,000** | 14,000 |
| Hexachlorobutadiene | | | < 270 | 270 | < 14000 | 14,000 |
| Isopropylbenzene | | | **370** | 270 | **7,900** | 14,000 |
| m&p-Xylenes | 260 | 100,000 | **2,200** | 270 | **45,000** | 14,000 |
| Methyl Ethyl Ketone (2-Butanone) | 120 | 100,000 | < 1600 | 1,600 | < 86000 | 86,000 |
| Methyl t-butyl ether (MTBE) | 930 | 100,000 | < 530 | 530 | < 29000 | 29,000 |
| Methylene chloride | 50 | 100,000 | < 270 | 270 | < 14000 | 14,000 |
| Naphthalene | 12,000 | 100,000 | **860** | 270 | **27,000** | 14,000 |
| n-Butylbenzene | 12,000 | 100,000 | **510** | 270 | **17,000** | 14,000 |
| n-Propylbenzene | 3,900 | 100,000 | **1,100** | 270 | **35,000** | 14,000 |
| o-Xylene | 260 | 100,000 | < 270 | 270 | < 14000 | 14,000 |
| p-Isopropyltoluene | | | **170** | 270 | **3,700** | 14,000 |
| sec-Butylbenzene | 11,000 | 100,000 | **190** | 270 | **4,700** | 14,000 |
| Styrene | | | < 270 | 270 | < 14000 | 14,000 |
| tert-Butylbenzene | 5,900 | 100,000 | < 270 | 270 | < 14000 | 14,000 |
| Tetrachloroethene | 1,300 | 19,000 | < 270 | 270 | < 14000 | 14,000 |
| Tetrahydrofuran (THF) | | | < 530 | 530 | < 29000 | 29,000 |
| Toluene | 700 | 100,000 | < 270 | 270 | < 14000 | 14,000 |
| trans-1,2-Dichloroethene | 190 | 100,000 | < 270 | 270 | < 14000 | 14,000 |
| trans-1,3-Dichloropropene | | | < 270 | 270 | < 14000 | 14,000 |
| trabs-1,4-dichloro-2-butene | | | < 530 | 530 | < 29000 | 29,000 |
| Trichloroethene | 470 | 21,000 | < 270 | 270 | < 14000 | 14,000 |
| Trichlorofluoromethane | | | < 270 | 270 | < 14000 | 14,000 |
| Trichlorotrifluoroethane | | | < 270 | 270 | < 14000 | 14,000 |
| Vinyl Chloride | 20 | 900 | < 270 | 270 | < 14000 | 14,000 |
| Total BTEX Concentration | | | **2,410** | | **67,000** | |
| Total VOCs Concentration | | | **18,364** | | **462,300** | |

**Notes:**

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL - Reporting Limit

**Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value**

TABLE 2
1825 Ocean Avenue
Brooklyn, New York
Soil Analytical Results
SVOCs

| COMPOUND | NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives* | NYDEC Part 375.6 Restricted Residential Soil Cleanup | B1 (0-2') µg/Kg | | B2 (0-2') µg/Kg | | B3 (0-2') µg/Kg | |
|---|---|---|---|---|---|---|---|---|
| | | | Result | RL | Result | RL | Result | RL |
| **Acenaphthene** | 20,000 | 100,000 | < 260 | 260 | < 270 | 270 | < 270 | 270 |
| **Acenaphthylene** | 100,000 | 100,000 | < 260 | 260 | < 270 | 270 | < 270 | 270 |
| **Anthracene** | 100,000 | 100,000 | < 260 | 260 | < 270 | 270 | < 270 | 270 |
| **Benz(a)anthracene** | 1,000 | 1,000 | < 260 | 260 | < 270 | 270 | **190** | 270 |
| **Benzo(a)pyrene** | 1,000 | 1,000 | < 260 | 260 | < 270 | 270 | **240** | 270 |
| **Benzo(b)fluoranthene** | 1,000 | 1,000 | < 260 | 260 | < 270 | 270 | **300** | 270 |
| **Benzo(ghi)perylene** | 100,000 | 100,000 | < 260 | 260 | < 270 | 270 | **150** | 270 |
| **Benzo(k)fluoranthene** | 800 | 3,900 | < 260 | 260 | < 270 | 270 | < 270 | 270 |
| **Chrysene** | 1,000 | 3,900 | < 260 | 260 | < 270 | 270 | **250** | 270 |
| **Dibenz(a,h)anthracene** | 330 | 330 | < 260 | 260 | < 270 | 270 | < 270 | 270 |
| **Fluoranthene** | 100,000 | 100,000 | < 260 | 260 | < 270 | 270 | **290** | 270 |
| **Fluorene** | 30,000 | 100,000 | < 260 | 260 | < 270 | 270 | < 270 | 270 |
| **Indeno(1,2,3-cd)pyrene** | 500 | 500 | < 260 | 260 | < 270 | 270 | < 270 | 270 |
| **Naphthalene** | 12,000 | 100,000 | < 260 | 260 | < 270 | 270 | < 270 | 270 |
| **Phenanthrene** | 100,000 | 100,000 | < 260 | 260 | < 270 | 270 | **130** | 270 |
| **Pyrene** | 100,000 | 100,000 | < 260 | 260 | < 270 | 270 | **260** | 270 |

**Notes:**
* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives
RL - Reporting Limit
**Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value**
**Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value**

TABLE 3
1825 Ocean Avenue
Brooklyn, New York
Soil Analytical Results
PCBs

| | COMPOUND | NYSDEC Part 375.6 Unrestricted Use Soil Cleanup | NYDEC Part 375.6 Restricted Residential Soil Cleanup | B1 (0-2') µg/Kg | | B2 (0-2') µg/Kg | | B3 (0-2') µg/Kg | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Result | RL | Result | RL | Result | RL |
| PCBs | PCB-1016 | 100 | 1,000 | < 37 | 37 | < 39 | 39 | < 39 | 39 |
| | PCB-1221 | 100 | 1,000 | < 37 | 37 | < 39 | 39 | < 39 | 39 |
| | PCB-1232 | 100 | 1,000 | < 37 | 37 | < 39 | 39 | < 39 | 39 |
| | PCB-1242 | 100 | 1,000 | < 37 | 37 | < 39 | 39 | < 39 | 39 |
| | PCB-1248 | 100 | 1,000 | < 37 | 37 | < 39 | 39 | < 39 | 39 |
| | PCB-1254 | 100 | 1,000 | < 37 | 37 | < 39 | 39 | < 39 | 39 |
| | PCB-1260 | 100 | 1,000 | < 37 | 37 | < 39 | 39 | < 39 | 39 |
| | PCB-1262 | 100 | 1,000 | < 37 | 37 | < 39 | 39 | < 39 | 39 |
| | PCB-1268 | 100 | 1,000 | < 37 | 37 | < 39 | 39 | < 39 | 39 |

**Notes:**

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL- Reporting Limit

**Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value**

TABLE 4
1825 Ocean Avenue
Brooklyn, New York
Soil Analytical Results
Metals

| COMPOUND | NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives* | NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives* | B1 (0-2') mg/Kg | | B2 (0-2') mg/Kg | | B3 (0-2') mg/Kg | |
|---|---|---|---|---|---|---|---|---|
| | | | Result | RL | Result | RL | Result | RL |
| Aluminum | | | **14,700** | 39 | **20,100** | 39 | **9,580** | 38 |
| Antimony | | | < 1.9 | 1.9 | < 1.9 | 1.9 | < 1.9 | 1.9 |
| Arsenic | 13 | 16 | **5.1** | 0.8 | **6.8** | 0.8 | **6.4** | 0.8 |
| Barium | 350 | 350 | **53.2** | 0.8 | **75.3** | 0.8 | **169** | 0.8 |
| Beryllium | 7.2 | 14 | **0.63** | 0.31 | **0.66** | 0.31 | **0.49** | 0.30 |
| Cadmium | 2.5 | 2.5 | < 0.39 | 0.39 | < 0.39 | 0.39 | **0.45** | 0.38 |
| Calcium | | | **12,900** | 39 | **1,860** | 3.9 | **20,400** | 38 |
| Chromium | 30 | 180 | **25.4** | 0.39 | **25.2** | 0.39 | **23.5** | 0.38 |
| Cobalt | | | **9.19** | 0.39 | **10.2** | 0.39 | **7.95** | 0.38 |
| Copper | 50 | 270 | **25.1** | 0.39 | **24.6** | 0.39 | **56.1** | 0.38 |
| Iron | | | **20,200** | 39 | **23,600** | 39 | **17,600** | 38 |
| Lead | 63 | 400 | **33.4** | 0.8 | **59** | 0.8 | **1,860** | 75 |
| Magnesium | | | **9,640** | 39 | **3,340** | 3.9 | **4,690** | 3.8 |
| Manganese | 1,600 | 2,000 | **287** | 3.9 | **315** | 3.9 | **316** | 3.8 |
| Mercury | 0.18 | 0.81 | **0.08** | 0.03 | **0.08** | 0.03 | **0.32** | 0.03 |
| Nickel | 30 | 140 | **29.2** | 0.39 | **25.8** | 0.39 | **29.3** | 0.38 |
| Potassium | | | **1,440** | 8 | **1,400** | 8 | **1,420** | 8 |
| Selenium | 3.9 | 36 | < 2.5 | 2.5 | < 2.5 | 2.5 | < 2.5 | 2.5 |
| Silver | 2 | 36 | < 0.39 | 0.39 | < 0.39 | 0.39 | < 0.38 | 0.38 |
| Sodium | | | **259** | 8 | **122** | 8 | **213** | 8 |
| Thallium | | | < 1.6 | 1.6 | < 1.5 | 1.5 | < 1.5 | 1.5 |
| Vanadium | | | **42.3** | 0.4 | **41.6** | 0.4 | **35.5** | 0.4 |
| Zinc | 109 | 2,200 | **51** | 0.8 | **74.5** | 0.8 | **193** | 7.5 |

**Notes:**

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL- Reporting Limit

**Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value**

**Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value**

Table 5
1825 Ocean Avenue
Brooklyn, New York
Ground Water Analytical Results
Volatile Organic Compounds

| Compound | NYSDEC Groundwater Quality Standards | B1GW 4/22/2015 µg/L | | B2GW 4/22/2015 µg/L | | B5GW 4/22/2015 µg/L | |
|---|---|---|---|---|---|---|---|
| | µg/L | Results | RL | Results | RL | Results | RL |
| 1,1,1,2-Tetrachlorothane | 5 | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| 1,1,1-Trichloroethane | 5 | < 50 | 50 | < 50 | 50 | < 100 | 100 |
| 1,1,2,2-Tetrachloroethane | 5 | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| 1,1,2-Trichloroethane | 1 | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| 1,1-Dichloroethane | 5 | < 50 | 50 | < 50 | 50 | < 100 | 100 |
| 1,1-Dichloroethene | 5 | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| 1,1-Dichloropropene | | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| 1,2,3-Trichlorobenzene | | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| 1,2,3-Trichloropropane | 0.04 | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| 1,2,4-Trichlorobenzene | | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| 1,2,4-Trimethylbenzene | 5 | **1,700** | 100 | **1,900** | 100 | **1,800** | 200 |
| 1,2-Dibromo-3-chloropropane | 0.04 | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| 1,2-Dibromoethane | | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| 1,2-Dichlorobenzene | 5 | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| 1,2-Dichloroethane | 0.6 | < 6.0 | 6.0 | < 6.0 | 6.0 | < 12 | 12 |
| 1,2-Dichloropropane | 0.94 | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| 1,3,5-Trimethylbenzene | 5 | **530** | 100 | **560** | 100 | **300** | 20 |
| 1,3-Dichlorobenzene | | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| 1,3-Dichloropropane | 5 | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| 1,4-Dichlorobenzene | 5 | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| 2,2-Dichloropropane | 5 | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| 2-Chlorotoluene | 5 | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| 2-Hexanone (Methyl Butyl Ketone) | | < 25 | 25 | < 25 | 25 | < 50 | 50 |
| 2-Isopropyltoluene | 5 | **5.1** | 10 | **5** | 10 | **5.7** | 20 |
| 4-Chlorotoluene | 5 | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| 4-Methyl-2-Pentanone | | < 25 | 25 | < 25 | 25 | < 50 | 50 |
| Acetone | | < 50 | 50 | < 50 | 50 | < 100 | 100 |
| Acrolein | | < 50 | 50 | < 50 | 50 | < 100 | 100 |
| Acrylonitrile | 5 | < 50 | 50 | < 50 | 50 | < 100 | 100 |
| Benzene | 1 | **5.7** | 7.0 | **5.5** | 7.0 | < 14 | 14 |
| Bromobenzene | 5 | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| Bromochloromethane | 5 | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| Bromodichloromethane | | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| Bromoform | | < 50 | 50 | < 50 | 50 | < 100 | 100 |
| Bromomethane | 5 | < 50 | 50 | < 50 | 50 | < 100 | 100 |
| Carbon Disulfide | 60 | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| Carbon tetrachloride | 5 | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| Chlorobenzene | 5 | < 50 | 50 | < 50 | 50 | < 100 | 100 |
| Chloroethane | 5 | < 50 | 50 | < 50 | 50 | < 100 | 100 |
| Chloroform | 7 | < 50 | 50 | < 50 | 50 | < 100 | 100 |
| Chloromethane | 60 | < 50 | 50 | < 50 | 50 | < 100 | 100 |
| cis-1,2-Dichloroethene | 5 | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| cis-1,3-Dichloropropene | | < 4.0 | 4.0 | < 4.0 | 4.0 | < 8.0 | 8.0 |
| Dibromochloromethane | | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| Dibromomethane | 5 | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| Dichlorodifluoromethane | 5 | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| Ethylbenzene | 5 | **150** | 10 | **150** | 10 | **140** | 20 |
| Hexachlorobutadiene | 0.5 | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| Isopropylbenzene | 5 | **78** | 10 | **77** | 10 | **78** | 20 |
| m&p-Xylenes | 5 | **1,100** | 100 | **1,100** | 100 | **180** | 20 |
| Methyl Ethyl Ketone (2-Butanone) | | < 25 | 25 | < 25 | 25 | < 50 | 50 |
| Methyl t-butyl ether (MTBE) | 10 | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| Methylene chloride | 5 | < 30 | 30 | < 30 | 30 | < 60 | 60 |
| Naphthalene | 10 | **300** | 100 | **310** | 100 | **270** | 20 |
| n-Butylbenzene | 5 | **32** | 10 | **32** | 10 | **21** | 20 |
| n-Propylbenzene | 5 | **170** | 10 | **170** | 10 | **200** | 20 |
| o-Xylene | 5 | **33** | 10 | **34** | 10 | < 20 | 20 |
| p-Isopropyltoluene | | **13** | 10 | **14** | 10 | **13** | 20 |
| sec-Butylbenzene | 5 | **16** | 10 | **16** | 10 | **13** | 20 |
| Styrene | 5 | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| tert-Butylbenzene | 5 | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| Tetrachloroethene | 5 | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| Tetrahydrofuran (THF) | | < 50 | 50 | < 50 | 50 | < 100 | 100 |
| Toluene | 5 | **15** | 10 | **15** | 10 | < 20 | 20 |
| trans-1,2-Dichloroethene | 5 | < 50 | 50 | < 50 | 50 | < 100 | 100 |
| trans-1,3-Dichloropropene | 0.4 | < 4.0 | 4.0 | < 4.0 | 4.0 | < 8.0 | 8.0 |
| trans-1,4-dichloro-2-butene | 5 | < 25 | 25 | < 25 | 25 | < 50 | 50 |
| Trichloroethene | 5 | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| Trichlorofluoromethane | 5 | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| Trichlorotrifluoroethane | | < 10 | 10 | < 10 | 10 | < 20 | 20 |
| Vinyl Chloride | 2 | < 10 | 10 | < 10 | 10 | < 20 | 20 |

**Notes:**
RL- Reporting Limit
**Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard**

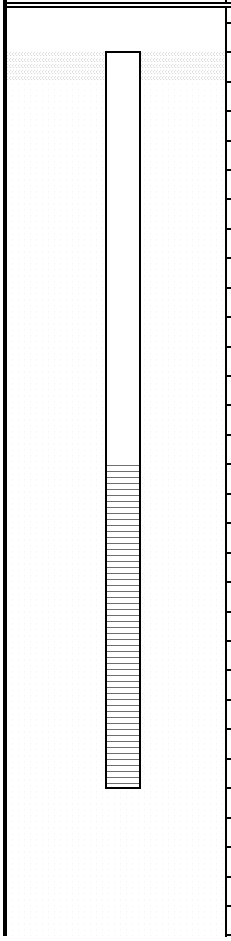
# ***SOIL BORING LOGS***

# Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

## B1 Boring Log

| | | | | |
|---|---|---|---|---|
| Location: Northwest corner of the site currently used as paved parking space. | | Depth to Water (ft. from grade.) | | Site Elevation Datum |
| Site Name: ROC1502 | Address: 1825 Ocean Avenue, Brooklyn, NY | Date | DTW | Ground Elevation |
| Drilling Company: $C^2$ Environmental | Method: Geoprobe | Groundwater depth 22.5 Feet | | 33 ft amsl |
| Date Started: 4/22/2015 | Date Completed: 4/22/2015 | | | Well Specifications 1" PVC |
| Completion Depth: 25 Feet | Geologist: Robert Bennett | | | |

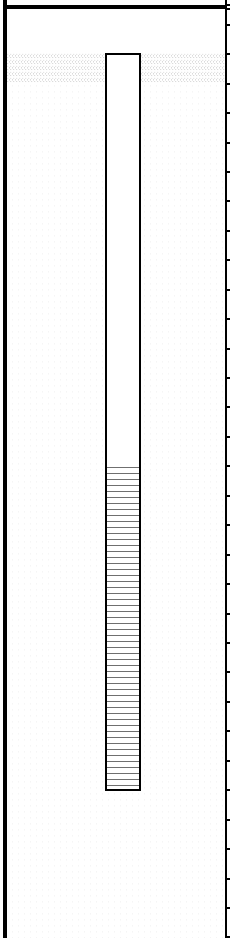
| B1 (NTS) | DEPTH (ft below grade) | SAMPLES Reco-very (in.) | Blow per 6 in. | PID (ppm) | SOIL DESCRIPTION |
|---|---|---|---|---|---|
|  | 0 | | | | |
| | 0 to 5 | 30" | | ND* | 0-15" - FILL - Black/brown sandy gravelly silt with asphalt fragments (no odor)<br>15-30" - Brown F-M sand (no odor)<br>**Retained soil sample B1(0-2')* |
| | 5 to 10 | 40" | | ND* | 0-40" - Brown F-M sand (no odor) |
| | 10 to 15 | 35" | | ND* | 0-35" - Brown gravelly F-M sand (no odor) |
| | 15 to 20 | 38" | | ND* | 0-38" - Brown F-M sand with trace amounts of gravel (no odor) |
| | 20 to 25 | 40" | | ND* | 0-30" - Brown F-M sand with trace amounts of gravel (no odor)<br>30-40" - Wet, gray stained F-M sand with a strong suspect odor<br>**Retained soil sample B1(23-25')* |
| | | | | | |

# Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

## B2 Boring Log

| | | | | |
|---|---|---|---|---|
| Location: North side of the site currently used as paved parking space | | Depth to Water (ft. from grade.) | | Site Elevation Datum |
| Site Name: ROC1502 | Address: 1825 Ocean Avenue, Brooklyn, NY | Date | DTW | Ground Elevation |
| | | Groundwater depth | | 33 Feet amsl |
| Drilling Company: $C^2$ Environmental | Method: Geoprobe | 23 Feet | | Well Specifications |
| Date Started: 4/22/2015 | Date Completed: 4/22/2015 | | | 1" PVC |
| Completion Depth: 25 Feet | Geologist: Robert Bennett | | | |

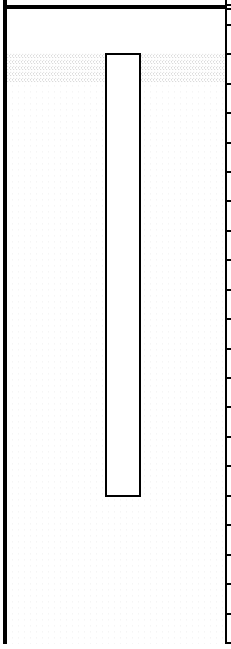
| B2 (NTS) | DEPTH (ft below grade) | SAMPLES Reco-very (in.) | Blow per 6 in. | PID (ppm) | SOIL DESCRIPTION |
|---|---|---|---|---|---|
|  | 0 | | | | |
| | to 5 | 24" | | ND* | 0-12" - FILL - Brown silt with asphalt fragments and compacted ash (no odor)<br>12-24" - Brown gravelly F-M sand (no odor)<br>**Retained soil sample B2 (0-2')* |
| | to 10 | 36" | | ND* | 0-36" - Brown F-M sand with trace amount of gravel (no odor) |
| | to 15 | 30" | | ND* | 0-30" - Brown F-M sand with trace amount of gravel (no odor) |
| | to 20 | 38" | | ND* | 0-38" - Brown F-M sand with trace amount of gravel (no odor) |
| | to 25 | 30" | | ND* | 0-15" - Brown F-M sand with trace amount of gravel (no odor)<br>15-30" - Wet, gray stained F-M sand with a strong suspect odor<br>**Retained soil sample B2 (23-25)* |
| | | | | | |

# Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

## B3 Boring Log

| | | | | |
|---|---|---|---|---|
| Location: Northeast corner of the site currently used as paved parking space | | Depth to Water (ft. from grade.) | | Site Elevation Datum |
| Site Name: ROC1502 | Address: 1825 Ocean Avenue, Brooklyn, NY | Date | DTW | Ground Elevation |
| | | Groundwater depth | | 35 Feet amsl |
| Drilling Company: $C^2$ Environmental | Method: Geoprobe | Not Detected | | Well Specifications |
| Date Started: 4/22/2015 | Date Completed: 4/22/2015 | | | 1" PVC |
| Completion Depth: 15 Feet | Geologist: Robert Bennett | | | |

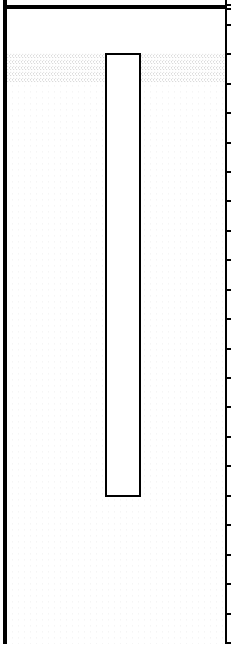
| B3 (NTS) | DEPTH (ft below grade) | SAMPLES Reco-very (in.) | Blow per 6 in. | PID (ppm) | SOIL DESCRIPTION |
|---|---|---|---|---|---|
|  | 0 | | | | |
| | to 5 | 24" | | ND* | 0-6" - crushed asphalt (paving material)<br>6-24" - FILL - Dark brown silty/gravelly F-C sand with crushed asphalt and compacted ash (no odor)<br>**Retained soil sample B3 (0-2')* |
| | to 10 | 42" | | ND* | 0-42" - Brown F-M sandy silt (no odor) |
| | to 15 | 35" | | ND* | 0-35" - Brown gravelly M-C sand (no odor)<br>**Retained soil sample B3 (13-15')* |
| | | | | | |

# Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

## B4 Boring Log

| | | | | |
|---|---|---|---|---|
| Location: Southeast corner of the site currently used as paved parking space | | Depth to Water (ft. from grade.) | | Site Elevation Datum |
| Site Name: ROC1502 | Address: 1825 Ocean Avenue, Brooklyn, NY | Date | DTW | Ground Elevation |
| | | Groundwater depth | | 34 Feet amsl |
| Drilling Company: $C^2$ Environmental | Method: Geoprobe | Not Detected | | Well Specifications |
| Date Started: 4/22/2015 | Date Completed: 4/22/2015 | | | 1" PVC |
| Completion Depth: 15 Feet | Geologist: Robert Bennett | | | |

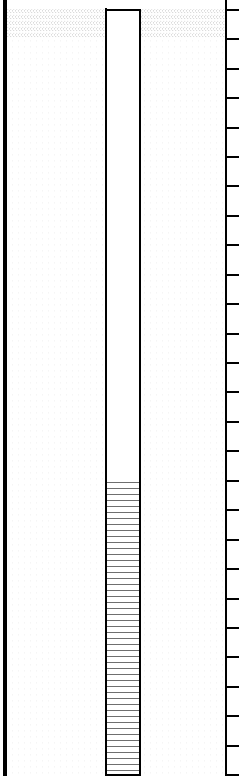
| B4 (NTS) | DEPTH (ft below grade) | SAMPLES Reco-very (in.) | Blow per 6 in. | PID (ppm) | SOIL DESCRIPTION |
|---|---|---|---|---|---|
|  | 0 | | | | |
| | to 5 | 35" | | ND* | 0-6" FILL - Black/brown F-M sand with asphalt fragments and compacted ash (no odor)<br>6-35" Brown F-M sand (no odor)<br>**Retained soil sample B4 (0-2')* |
| | to 10 | 40" | | ND* | 0-40"- Brown gravelly F-M sand (no odor) |
| | to 15 | 32" | | ND* | 0-32" - Brown gravelly F-M sand (no odor)<br>**Retained soil sample B4 (13-15')* |
| | | | | | |

# Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

## B5 Boring Log

| | | | | |
|---|---|---|---|---|
| Location: Middle of the south side of the site currently used as paved parking space | | Depth to Water (ft. from grade.) | | Site Elevation Datum |
| Site Name: ROC1502 | Address: 1825 Ocean Avenue, Brooklyn, NY | Date | DTW | Ground Elevation |
| | | Groundwater depth | | 34 Feet amsl |
| Drilling Company: $C^2$ Environmental | Method: Geoprobe | Not Detected | | Well Specifications |
| Date Started: 4/22/2015 | Date Completed: 4/22/2015 | | | 1" PVC |
| Completion Depth: 15 Feet | Geologist: Robert Bennett | | | |

| B5 (NTS) | DEPTH (ft below grade) | SAMPLES Reco-very (in.) | Blow per 6 in. | PID (ppm) | SOIL DESCRIPTION |
|---|---|---|---|---|---|
|  | 0 to 5 | 40" | | ND* | 0-6" - FILL - Black/brown silty gravelly sand with asphalt fragments and compacted ash (no odor)<br>6-25" - Brown silt (no odor)<br>25-40" - Brown gravelly silty F-M sand (no odor)<br>**Retained soil sample B5 (0-2')* |
| | 5 to 10 | 35" | | ND* | 0-35" - Brown F-M sand (no odor) |
| | 10 to 15 | 20" | | ND* | 0-18" - Brown F-M sand (no odor)<br>18-20" - Sandy gravel with crushed rock (no odor)<br>**Retained soil sample B5 (13-15')* |
| | 15 to 20 | NA | | ND* | |
| | 20 to 25 | NA | | ND* | |

# ***LABORATORY REPORTS***

PHOENIX
Environmental Laboratories, Inc.

**Tuesday, April 28, 2015**

**Attn: Mr. Charles B. Sosik, P.G.**
**Environmental Business Consultants**
**1808 Middle Country Rd**
**Ridge NY 11961-2406**

**Project ID: 1825 OCEAN AVE**
**Sample ID#s: BJ07290, BJ07296 - BJ07297, BJ07301 - BJ07303, BJ07307 - BJ07308**

**This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.**

**This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.**

**All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.**

**A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.**

**If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.**

**Sincerely yours,**

**Phyllis Shiller**
**Laboratory Director**

**NELAC - #NY11301**
**CT Lab Registration #PH-0618**
**MA Lab Registration #MA-CT-007**
**ME Lab Registration #CT-007**
**NH Lab Registration #213693-A,B**
**NJ Lab Registration #CT-003**
**NY Lab Registration #11301**
**PA Lab Registration #68-03530**
**RI Lab Registration #63**
**VT Lab Registration #VT11301**

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# SDG Comments

April 28, 2015

SDG I.D.: GBJ07290

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8260 Volatile Organics:
1,2-Dibromoethane, 1,2,3 Trichloropropane, and 1,2-Dibromo-3-chloropropane do not meet NY TOGS GA criteria, these compounds are analyzed by GC/FID method 504 or 8011 to achieve this criteria.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

April 28, 2015

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOLID | Collected by: | | 04/22/15 | 9:15 |
| Location Code: | EBC | Received by: | SW | 04/23/15 | 16:45 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GBJ07290
Phoenix ID: BJ07290

Project ID: 1825 OCEAN AVE
Client ID: B3 (0-2)

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| Silver | < 0.38 | | 0.38 | 0.38 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Aluminum | 9580 | | 38 | 7.5 | mg/Kg | 10 | 04/24/15 | EK | SW6010C | |
| Arsenic | 6.4 | | 0.8 | 0.75 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Barium | 169 | | 0.8 | 0.38 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Beryllium | 0.49 | | 0.30 | 0.15 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Calcium | 20400 | | 38 | 35 | mg/Kg | 10 | 04/24/15 | EK | SW6010C | |
| Cadmium | 0.45 | | 0.38 | 0.15 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Cobalt | 7.95 | | 0.38 | 0.38 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Chromium | 23.5 | | 0.38 | 0.38 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Copper | 56.1 | | 0.38 | 0.38 | mg/kg | 1 | 04/25/15 | EK | SW6010C | |
| Iron | 17600 | | 38 | 38 | mg/Kg | 10 | 04/24/15 | EK | SW6010C | |
| Mercury | 0.32 | N | 0.03 | 0.02 | mg/Kg | 1 | 04/24/15 | RS | SW7471B | |
| Potassium | 1420 | N | 8 | 2.9 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Magnesium | 4690 | | 3.8 | 3.8 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Manganese | 316 | * | 3.8 | 3.8 | mg/Kg | 10 | 04/24/15 | EK | SW6010C | |
| Sodium | 213 | N | 8 | 3.2 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | B |
| Nickel | 29.3 | | 0.38 | 0.38 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Lead | 1860 | | 75 | 38 | mg/Kg | 100 | 04/24/15 | EK | SW6010C | |
| Antimony | < 1.9 | N | 1.9 | 1.9 | mg/Kg | 1 | 04/25/15 | LK | SW6010C | |
| Selenium | < 2.5 | | 2.5 | 2.5 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Thallium | < 1.5 | | 1.5 | 1.5 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Vanadium | 35.5 | | 0.4 | 0.38 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Zinc | 193 | | 7.5 | 3.8 | mg/Kg | 10 | 04/24/15 | EK | SW6010C | |
| Percent Solid | 85 | | | | % | | 04/23/15 | I | SW846-%Solid | |
| Soil Extraction for PCB | Completed | | | | | | 04/23/15 | CC/H | SW3545A | |
| Soil Extraction SVOA PAH | Completed | | | | | | 04/23/15 | JJ/VH | SW3545A | |
| Mercury Digestion | Completed | | | | | | 04/24/15 | I/I | SW7471B | |
| Total Metals Digest | Completed | | | | | | 04/23/15 | CB/AG/I | SW3050B | |

Project ID: 1825 OCEAN AVE
Client ID: B3 (0-2)

Phoenix I.D.: BJ07290

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference |
|---|---|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls** | | | | | | | | | |
| PCB-1016 | ND | | 39 | 39 | ug/Kg | 2 | 04/24/15 | AW | SW8082A |
| PCB-1221 | ND | | 39 | 39 | ug/Kg | 2 | 04/24/15 | AW | SW8082A |
| PCB-1232 | ND | | 39 | 39 | ug/Kg | 2 | 04/24/15 | AW | SW8082A |
| PCB-1242 | ND | | 39 | 39 | ug/Kg | 2 | 04/24/15 | AW | SW8082A |
| PCB-1248 | ND | | 39 | 39 | ug/Kg | 2 | 04/24/15 | AW | SW8082A |
| PCB-1254 | ND | | 39 | 39 | ug/Kg | 2 | 04/24/15 | AW | SW8082A |
| PCB-1260 | ND | | 39 | 39 | ug/Kg | 2 | 04/24/15 | AW | SW8082A |
| PCB-1262 | ND | | 39 | 39 | ug/Kg | 2 | 04/24/15 | AW | SW8082A |
| PCB-1268 | ND | | 39 | 39 | ug/Kg | 2 | 04/24/15 | AW | SW8082A |
| **QA/QC Surrogates** | | | | | | | | | |
| % DCBP | 67 | | | | % | 2 | 04/24/15 | AW | 30 - 150 % |
| % TCMX | 65 | | | | % | 2 | 04/24/15 | AW | 30 - 150 % |
| **Semivolatiles** | | | | | | | | | |
| Acenaphthene | ND | | 270 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Acenaphthylene | ND | | 270 | 110 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Anthracene | ND | | 270 | 130 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Benz(a)anthracene | 190 | J | 270 | 130 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Benzo(a)pyrene | 240 | J | 270 | 130 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Benzo(b)fluoranthene | 300 | | 270 | 130 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Benzo(ghi)perylene | 150 | J | 270 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Benzo(k)fluoranthene | ND | | 270 | 130 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Chrysene | 250 | J | 270 | 130 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Dibenz(a,h)anthracene | ND | | 270 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Fluoranthene | 290 | | 270 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Fluorene | ND | | 270 | 130 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Indeno(1,2,3-cd)pyrene | ND | | 270 | 130 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Naphthalene | ND | | 270 | 110 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Phenanthrene | 130 | J | 270 | 110 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Pyrene | 260 | J | 270 | 130 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| **QA/QC Surrogates** | | | | | | | | | |
| % 2-Fluorobiphenyl | 71 | | | | % | 1 | 04/24/15 | DD | 30 - 115 % |
| % Nitrobenzene-d5 | 73 | | | | % | 1 | 04/24/15 | DD | 23 - 120 % |
| % Terphenyl-d14 | 65 | | | | % | 1 | 04/24/15 | DD | 18 - 137 % |
| Pyridine | ND | | 330 | 330 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |

Project ID: 1825 OCEAN AVE
Client ID: B3 (0-2)

Phoenix I.D.: BJ07290

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference |
|---|---|---|---|---|---|---|---|---|

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

## Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

**Phyllis Shiller, Laboratory Director**
**April 28, 2015**
**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

April 28, 2015

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | GROUND WATER | Collected by: | | 04/22/15 | 11:00 |
| Location Code: | EBC | Received by: | SW | 04/23/15 | 16:45 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GBJ07290
Phoenix ID: BJ07296

Project ID: 1825 OCEAN AVE
Client ID: B5 GW

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| 1,1,1-Trichloroethane | ND | | 100 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| 1,1,2,2-Tetrachloroethane | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| 1,1,2-Trichloroethane | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| 1,1-Dichloroethane | ND | | 100 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| 1,1-Dichloroethene | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| 1,1-Dichloropropene | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| 1,2,3-Trichlorobenzene | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| 1,2,3-Trichloropropane | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| 1,2,4-Trichlorobenzene | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| 1,2,4-Trimethylbenzene | 1800 | | 200 | 50 | ug/L | 200 | 04/24/15 | MH | SW8260C | |
| 1,2-Dibromo-3-chloropropane | ND | | 20 | 10 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| 1,2-Dibromoethane | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| 1,2-Dichlorobenzene | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| 1,2-Dichloroethane | ND | | 12 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| 1,2-Dichloropropane | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| 1,3,5-Trimethylbenzene | 300 | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| 1,3-Dichlorobenzene | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| 1,3-Dichloropropane | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| 1,4-Dichlorobenzene | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| 2,2-Dichloropropane | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| 2-Chlorotoluene | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| 2-Hexanone | ND | | 50 | 50 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| 2-Isopropyltoluene | 5.7 | J | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | 1 |
| 4-Chlorotoluene | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| 4-Methyl-2-pentanone | ND | | 50 | 50 | ug/L | 20 | 04/24/15 | MH | SW8260C | |

Project ID: 1825 OCEAN AVE
Client ID: B5 GW

Phoenix I.D.: BJ07296

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 100 | 50 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| Acrolein | ND | | 100 | 50 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| Acrylonitrile | ND | | 100 | 50 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| Benzene | ND | | 14 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| Bromobenzene | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| Bromochloromethane | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| Bromodichloromethane | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| Bromoform | ND | | 100 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| Bromomethane | ND | | 100 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| Carbon Disulfide | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| Carbon tetrachloride | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| Chlorobenzene | ND | | 100 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| Chloroethane | ND | | 100 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| Chloroform | ND | | 100 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| Chloromethane | ND | | 100 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| cis-1,2-Dichloroethene | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| cis-1,3-Dichloropropene | ND | | 8.0 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| Dibromochloromethane | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| Dibromomethane | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| Dichlorodifluoromethane | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| Ethylbenzene | 140 | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| Hexachlorobutadiene | ND | | 20 | 2.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| Isopropylbenzene | 78 | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| m&p-Xylene | 180 | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| Methyl ethyl ketone | ND | | 50 | 50 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| Methyl t-butyl ether (MTBE) | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| Methylene chloride | ND | | 60 | 20 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| Naphthalene | 270 | | 20 | 20 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| n-Butylbenzene | 21 | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| n-Propylbenzene | 200 | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| o-Xylene | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| p-Isopropyltoluene | 13 | J | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| sec-Butylbenzene | 13 | J | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| Styrene | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| tert-Butylbenzene | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| Tetrachloroethene | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| Tetrahydrofuran (THF) | ND | | 100 | 50 | ug/L | 20 | 04/24/15 | MH | SW8260C | 1 |
| Toluene | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| trans-1,2-Dichloroethene | ND | | 100 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| trans-1,3-Dichloropropene | ND | | 8.0 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| trans-1,4-dichloro-2-butene | ND | | 50 | 50 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| Trichloroethene | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| Trichlorofluoromethane | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| Trichlorotrifluoroethane | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| Vinyl chloride | ND | | 20 | 5.0 | ug/L | 20 | 04/24/15 | MH | SW8260C | |
| **QA/QC Surrogates** | | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 108 | | | | % | 20 | 04/24/15 | MH | 70 - 130 % | |
| % Bromofluorobenzene | 99 | | | | % | 20 | 04/24/15 | MH | 70 - 130 % | |
| % Dibromofluoromethane | 96 | | | | % | 20 | 04/24/15 | MH | 70 - 130 % | |

Project ID: 1825 OCEAN AVE
Client ID: B5 GW

Phoenix I.D.: BJ07296

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference |
|---|---|---|---|---|---|---|---|---|
| % Toluene-d8 | 102 | | | % | 20 | 04/24/15 | MH | 70 - 130 % |

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

## Comments:

Volatile Comment:
Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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**Phyllis Shiller, Laboratory Director**
**April 28, 2015**
**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

April 28, 2015

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOLID | Collected by: | | 04/22/15 | 11:10 |
| Location Code: | EBC | Received by: | SW | 04/23/15 | 16:45 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GBJ07290
Phoenix ID: BJ07297

Project ID: 1825 OCEAN AVE
Client ID: B1 (0-2)

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| Silver | < 0.39 | | 0.39 | 0.39 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Aluminum | 14700 | | 39 | 7.8 | mg/Kg | 10 | 04/24/15 | EK | SW6010C | |
| Arsenic | 5.1 | | 0.8 | 0.78 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Barium | 53.2 | | 0.8 | 0.39 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Beryllium | 0.63 | | 0.31 | 0.16 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Calcium | 12900 | | 39 | 36 | mg/Kg | 10 | 04/24/15 | EK | SW6010C | |
| Cadmium | < 0.39 | | 0.39 | 0.16 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Cobalt | 9.19 | | 0.39 | 0.39 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Chromium | 25.4 | | 0.39 | 0.39 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Copper | 25.1 | | 0.39 | 0.39 | mg/kg | 1 | 04/25/15 | EK | SW6010C | |
| Iron | 20200 | | 39 | 39 | mg/Kg | 10 | 04/24/15 | EK | SW6010C | |
| Mercury | 0.08 | N | 0.03 | 0.02 | mg/Kg | 1 | 04/24/15 | RS | SW7471B | |
| Potassium | 1440 | N | 8 | 3.0 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Magnesium | 9640 | | 39 | 39 | mg/Kg | 10 | 04/24/15 | EK | SW6010C | |
| Manganese | 287 | * | 3.9 | 3.9 | mg/Kg | 10 | 04/24/15 | EK | SW6010C | |
| Sodium | 259 | N | 8 | 3.3 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | B |
| Nickel | 29.2 | | 0.39 | 0.39 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Lead | 33.4 | | 0.8 | 0.39 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Antimony | < 1.9 | N | 1.9 | 1.9 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Selenium | < 2.5 | | 2.5 | 2.5 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Thallium | < 1.6 | | 1.6 | 1.6 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Vanadium | 42.3 | | 0.4 | 0.39 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Zinc | 51.0 | | 0.8 | 0.39 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Percent Solid | 87 | | | | % | | 04/23/15 | I | SW846-%Solid | |
| Soil Extraction for PCB | Completed | | | | | | 04/23/15 | CC/H | SW3545A | |
| Soil Extraction SVOA PAH | Completed | | | | | | 04/23/15 | JJ/VH | SW3545A | |
| Mercury Digestion | Completed | | | | | | 04/24/15 | I/I | SW7471B | |
| Total Metals Digest | Completed | | | | | | 04/23/15 | CB/AG/I | SW3050B | |

Project ID: 1825 OCEAN AVE
Client ID: B1 (0-2)

Phoenix I.D.: BJ07297

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference |
|---|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls** | | | | | | | | |
| PCB-1016 | ND | 37 | 37 | ug/Kg | 2 | 04/24/15 | AW | SW8082A |
| PCB-1221 | ND | 37 | 37 | ug/Kg | 2 | 04/24/15 | AW | SW8082A |
| PCB-1232 | ND | 37 | 37 | ug/Kg | 2 | 04/24/15 | AW | SW8082A |
| PCB-1242 | ND | 37 | 37 | ug/Kg | 2 | 04/24/15 | AW | SW8082A |
| PCB-1248 | ND | 37 | 37 | ug/Kg | 2 | 04/24/15 | AW | SW8082A |
| PCB-1254 | ND | 37 | 37 | ug/Kg | 2 | 04/24/15 | AW | SW8082A |
| PCB-1260 | ND | 37 | 37 | ug/Kg | 2 | 04/24/15 | AW | SW8082A |
| PCB-1262 | ND | 37 | 37 | ug/Kg | 2 | 04/24/15 | AW | SW8082A |
| PCB-1268 | ND | 37 | 37 | ug/Kg | 2 | 04/24/15 | AW | SW8082A |
| **QA/QC Surrogates** | | | | | | | | |
| % DCBP | 68 | | | % | 2 | 04/24/15 | AW | 30 - 150 % |
| % TCMX | 68 | | | % | 2 | 04/24/15 | AW | 30 - 150 % |
| **Semivolatiles** | | | | | | | | |
| Acenaphthene | ND | 260 | 110 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Acenaphthylene | ND | 260 | 100 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Anthracene | ND | 260 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Benz(a)anthracene | ND | 260 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Benzo(a)pyrene | ND | 260 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Benzo(b)fluoranthene | ND | 260 | 130 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Benzo(ghi)perylene | ND | 260 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Benzo(k)fluoranthene | ND | 260 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Chrysene | ND | 260 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Dibenz(a,h)anthracene | ND | 260 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Fluoranthene | ND | 260 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Fluorene | ND | 260 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Indeno(1,2,3-cd)pyrene | ND | 260 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Naphthalene | ND | 260 | 110 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Phenanthrene | ND | 260 | 110 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Pyrene | ND | 260 | 130 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| **QA/QC Surrogates** | | | | | | | | |
| % 2-Fluorobiphenyl | 69 | | | % | 1 | 04/24/15 | DD | 30 - 115 % |
| % Nitrobenzene-d5 | 73 | | | % | 1 | 04/24/15 | DD | 23 - 120 % |
| % Terphenyl-d14 | 68 | | | % | 1 | 04/24/15 | DD | 18 - 137 % |
| Pyridine | ND | 330 | 330 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |

Project ID: 1825 OCEAN AVE
Client ID: B1 (0-2)

Phoenix I.D.: BJ07297

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference |
|---|---|---|---|---|---|---|---|---|

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

## Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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**Phyllis Shiller, Laboratory Director**
**April 28, 2015**
**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

April 28, 2015

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOLID | Collected by: | | 04/22/15 | 11:30 |
| Location Code: | EBC | Received by: | SW | 04/23/15 | 16:45 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GBJ07290
Phoenix ID: BJ07301

Project ID: 1825 OCEAN AVE
Client ID: B1 (23-25)

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference |
|---|---|---|---|---|---|---|---|---|
| Percent Solid | 89 | | | % | | 04/23/15 | I | SW846-%Solid |
| Soil Extraction for SVOA | Completed | | | | | 04/23/15 | JJ/VH | SW3545A |
| Field Extraction | Completed | | | | | 04/22/15 | | SW5035A |
| **Volatiles** | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 270 | 53 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C |
| 1,1,1-Trichloroethane | ND | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C |
| 1,1,2,2-Tetrachloroethane | ND | 270 | 53 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C |
| 1,1,2-Trichloroethane | ND | 270 | 53 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C |
| 1,1-Dichloroethane | ND | 270 | 53 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C |
| 1,1-Dichloroethene | ND | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C |
| 1,1-Dichloropropene | ND | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C |
| 1,2,3-Trichlorobenzene | ND | 270 | 53 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C |
| 1,2,3-Trichloropropane | ND | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C |
| 1,2,4-Trichlorobenzene | ND | 270 | 53 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C |
| 1,2,4-Trimethylbenzene | 9400 | 1300 | 130 | ug/Kg | 250 | 04/28/15 | JLI | SW8260C |
| 1,2-Dibromo-3-chloropropane | ND | 270 | 53 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C |
| 1,2-Dibromoethane | ND | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C |
| 1,2-Dichlorobenzene | ND | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C |
| 1,2-Dichloroethane | ND | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C |
| 1,2-Dichloropropane | ND | 270 | 53 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C |
| 1,3,5-Trimethylbenzene | 3300 | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C |
| 1,3-Dichlorobenzene | ND | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C |
| 1,3-Dichloropropane | ND | 270 | 53 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C |
| 1,4-Dichlorobenzene | ND | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C |
| 2,2-Dichloropropane | ND | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C |
| 2-Chlorotoluene | ND | 270 | 53 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C |
| 2-Hexanone | ND | 1300 | 270 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C |

Project ID: 1825 OCEAN AVE
Client ID: B1 (23-25)

Phoenix I.D.: BJ07301

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| 2-Isopropyltoluene | 54 | J | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | 1 |
| 4-Chlorotoluene | ND | | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| 4-Methyl-2-pentanone | ND | | 1300 | 270 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| Acetone | ND | | 2700 | 270 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| Acrylonitrile | ND | | 530 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| Benzene | ND | | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| Bromobenzene | ND | | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| Bromochloromethane | ND | | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| Bromodichloromethane | ND | | 270 | 53 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| Bromoform | ND | | 270 | 53 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| Bromomethane | ND | | 270 | 110 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| Carbon Disulfide | ND | | 270 | 53 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| Carbon tetrachloride | ND | | 270 | 53 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| Chlorobenzene | ND | | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| Chloroethane | ND | | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| Chloroform | ND | | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| Chloromethane | ND | | 270 | 53 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| cis-1,2-Dichloroethene | ND | | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| cis-1,3-Dichloropropene | ND | | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| Dibromochloromethane | ND | | 270 | 53 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| Dibromomethane | ND | | 270 | 53 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| Dichlorodifluoromethane | ND | | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| Ethylbenzene | 210 | J | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| Hexachlorobutadiene | ND | | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| Isopropylbenzene | 370 | | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| m&p-Xylene | 2200 | | 270 | 53 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| Methyl Ethyl Ketone | ND | | 1600 | 270 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| Methyl t-butyl ether (MTBE) | ND | | 530 | 53 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| Methylene chloride | ND | | 270 | 270 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| Naphthalene | 860 | | 270 | 53 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| n-Butylbenzene | 510 | | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| n-Propylbenzene | 1100 | | 270 | 48 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| o-Xylene | ND | | 270 | 53 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| p-Isopropyltoluene | 170 | J | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| sec-Butylbenzene | 190 | J | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| Styrene | ND | | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| tert-Butylbenzene | ND | | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| Tetrachloroethene | ND | | 270 | 53 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| Tetrahydrofuran (THF) | ND | | 530 | 130 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | 1 |
| Toluene | ND | | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| trans-1,2-Dichloroethene | ND | | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| trans-1,3-Dichloropropene | ND | | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| trans-1,4-dichloro-2-butene | ND | | 530 | 130 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| Trichloroethene | ND | | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| Trichlorofluoromethane | ND | | 270 | 53 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| Trichlorotrifluoroethane | ND | | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| Vinyl chloride | ND | | 270 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C | |
| **QA/QC Surrogates** | | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 98 | | | | % | 50 | 04/28/15 | JLI | 70 - 130 % | |

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference |
|---|---|---|---|---|---|---|---|---|
| % Bromofluorobenzene | 113 | | | % | 50 | 04/28/15 | JLI | 70 - 130 % |
| % Dibromofluoromethane | 92 | | | % | 50 | 04/28/15 | JLI | 70 - 130 % |
| % Toluene-d8 | 95 | | | % | 50 | 04/28/15 | JLI | 70 - 130 % |
| **1,4-dioxane** | | | | | | | | |
| 1,4-dioxane | ND | 5300 | 2100 | ug/kg | 50 | 04/28/15 | JLI | SW8260C |
| **QA/QC Surrogates** | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 98 | | | % | 50 | 04/28/15 | JLI | 70 - 130 % |
| % Bromofluorobenzene | 98 | | | % | 50 | 04/28/15 | JLI | 70 - 130 % |
| % Toluene-d8 | 95 | | | % | 50 | 04/28/15 | JLI | 70 - 130 % |
| **Volatiles** | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1100 | 53 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C |
| Acrolein | ND | 1100 | 130 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C |
| Acrylonitrile | ND | 1100 | 27 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C |
| Tert-butyl alcohol | ND | 5300 | 1100 | ug/Kg | 50 | 04/28/15 | JLI | SW8260C |
| **Semivolatiles** | | | | | | | | |
| Acenaphthene | ND | 260 | 110 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Acenaphthylene | ND | 260 | 100 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Anthracene | ND | 260 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Benz(a)anthracene | ND | 260 | 130 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Benzo(a)pyrene | ND | 260 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Benzo(b)fluoranthene | ND | 260 | 130 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Benzo(ghi)perylene | ND | 260 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Benzo(k)fluoranthene | ND | 260 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Chrysene | ND | 260 | 130 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Dibenz(a,h)anthracene | ND | 260 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Fluoranthene | ND | 260 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Fluorene | ND | 260 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Indeno(1,2,3-cd)pyrene | ND | 260 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Naphthalene | ND | 260 | 110 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Phenanthrene | ND | 260 | 110 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Pyrene | ND | 260 | 130 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| **QA/QC Surrogates** | | | | | | | | |
| % 2-Fluorobiphenyl | 78 | | | % | 1 | 04/24/15 | DD | 30 - 115 % |
| % Nitrobenzene-d5 | 94 | | | % | 1 | 04/24/15 | DD | 23 - 120 % |
| % Terphenyl-d14 | 88 | | | % | 1 | 04/24/15 | DD | 18 - 137 % |
| Pyridine | ND | 330 | 330 | ug/Kg | 1 | 04/27/15 | DD | SW8270D |

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference |
|---|---|---|---|---|---|---|---|---|

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

## Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Volatile Comment:
Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

**Phyllis Shiller, Laboratory Director**
**April 28, 2015**
**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

April 28, 2015

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | GROUND WATER | Collected by: | | 04/22/15 | 13:00 |
| Location Code: | EBC | Received by: | SW | 04/23/15 | 16:45 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GBJ07290
Phoenix ID: BJ07302

Project ID: 1825 OCEAN AVE
Client ID: B1 GW

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 1,1,1-Trichloroethane | ND | | 50 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 1,1,2,2-Tetrachloroethane | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 1,1,2-Trichloroethane | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 1,1-Dichloroethane | ND | | 50 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 1,1-Dichloroethene | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 1,1-Dichloropropene | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 1,2,3-Trichlorobenzene | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 1,2,3-Trichloropropane | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 1,2,4-Trichlorobenzene | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 1,2,4-Trimethylbenzene | 1700 | | 100 | 25 | ug/L | 100 | 04/24/15 | MH | SW8260C | |
| 1,2-Dibromo-3-chloropropane | ND | | 10 | 5.0 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 1,2-Dibromoethane | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 1,2-Dichlorobenzene | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 1,2-Dichloroethane | ND | | 6.0 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 1,2-Dichloropropane | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 1,3,5-Trimethylbenzene | 530 | | 100 | 25 | ug/L | 100 | 04/24/15 | MH | SW8260C | |
| 1,3-Dichlorobenzene | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 1,3-Dichloropropane | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 1,4-Dichlorobenzene | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 2,2-Dichloropropane | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 2-Chlorotoluene | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 2-Hexanone | ND | | 25 | 25 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 2-Isopropyltoluene | 5.1 | J | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | 1 |
| 4-Chlorotoluene | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 4-Methyl-2-pentanone | ND | | 25 | 25 | ug/L | 10 | 04/24/15 | MH | SW8260C | |

Project ID: 1825 OCEAN AVE
Client ID: B1 GW

Phoenix I.D.: BJ07302

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 50 | 25 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Acrolein | ND | | 50 | 25 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Acrylonitrile | ND | | 50 | 25 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Benzene | 5.7 | J | 7.0 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Bromobenzene | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Bromochloromethane | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Bromodichloromethane | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Bromoform | ND | | 50 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Bromomethane | ND | | 50 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Carbon Disulfide | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Carbon tetrachloride | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Chlorobenzene | ND | | 50 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Chloroethane | ND | | 50 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Chloroform | ND | | 50 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Chloromethane | ND | | 50 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| cis-1,2-Dichloroethene | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| cis-1,3-Dichloropropene | ND | | 4.0 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Dibromochloromethane | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Dibromomethane | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Dichlorodifluoromethane | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Ethylbenzene | 150 | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Hexachlorobutadiene | ND | | 10 | 1.0 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Isopropylbenzene | 78 | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| m&p-Xylene | 1100 | | 100 | 25 | ug/L | 100 | 04/24/15 | MH | SW8260C | |
| Methyl ethyl ketone | ND | | 25 | 25 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Methyl t-butyl ether (MTBE) | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Methylene chloride | ND | | 30 | 10 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Naphthalene | 300 | | 100 | 100 | ug/L | 100 | 04/24/15 | MH | SW8260C | |
| n-Butylbenzene | 32 | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| n-Propylbenzene | 170 | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| o-Xylene | 33 | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| p-Isopropyltoluene | 13 | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| sec-Butylbenzene | 16 | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Styrene | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| tert-Butylbenzene | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Tetrachloroethene | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Tetrahydrofuran (THF) | ND | | 50 | 25 | ug/L | 10 | 04/24/15 | MH | SW8260C | 1 |
| Toluene | 15 | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| trans-1,2-Dichloroethene | ND | | 50 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| trans-1,3-Dichloropropene | ND | | 4.0 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| trans-1,4-dichloro-2-butene | ND | | 25 | 25 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Trichloroethene | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Trichlorofluoromethane | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Trichlorotrifluoroethane | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Vinyl chloride | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| **QA/QC Surrogates** | | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 106 | | | | % | 10 | 04/24/15 | MH | 70 - 130 % | |
| % Bromofluorobenzene | 104 | | | | % | 10 | 04/24/15 | MH | 70 - 130 % | |
| % Dibromofluoromethane | 99 | | | | % | 10 | 04/24/15 | MH | 70 - 130 % | |

Project ID: 1825 OCEAN AVE
Client ID: B1 GW

Phoenix I.D.: BJ07302

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference |
|---|---|---|---|---|---|---|---|---|
| % Toluene-d8 | 107 | | | % | 10 | 04/24/15 | MH | 70 - 130 % |

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

## Comments:

Volatile Comment:
Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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**Phyllis Shiller, Laboratory Director**
**April 28, 2015**
**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

April 28, 2015

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOLID | Collected by: | | 04/22/15 | 11:40 |
| Location Code: | EBC | Received by: | SW | 04/23/15 | 16:45 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GBJ07290
Phoenix ID: BJ07303

Project ID: 1825 OCEAN AVE
Client ID: B2 (0-2)

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| Silver | < 0.39 | | 0.39 | 0.39 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Aluminum | 20100 | | 39 | 7.7 | mg/Kg | 10 | 04/24/15 | EK | SW6010C | |
| Arsenic | 6.8 | | 0.8 | 0.77 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Barium | 75.3 | | 0.8 | 0.39 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Beryllium | 0.66 | | 0.31 | 0.15 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Calcium | 1860 | | 3.9 | 3.6 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Cadmium | < 0.39 | | 0.39 | 0.15 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Cobalt | 10.2 | | 0.39 | 0.39 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Chromium | 25.2 | | 0.39 | 0.39 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Copper | 24.6 | | 0.39 | 0.39 | mg/kg | 1 | 04/25/15 | EK | SW6010C | |
| Iron | 23600 | | 39 | 39 | mg/Kg | 10 | 04/24/15 | EK | SW6010C | |
| Mercury | 0.08 | N | 0.03 | 0.02 | mg/Kg | 1 | 04/24/15 | RS | SW7471B | |
| Potassium | 1400 | N | 8 | 3.0 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Magnesium | 3340 | | 3.9 | 3.9 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Manganese | 315 | * | 3.9 | 3.9 | mg/Kg | 10 | 04/24/15 | EK | SW6010C | |
| Sodium | 122 | N | 8 | 3.3 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | B |
| Nickel | 25.8 | | 0.39 | 0.39 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Lead | 59.0 | | 0.8 | 0.39 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Antimony | < 1.9 | N | 1.9 | 1.9 | mg/Kg | 1 | 04/25/15 | LK | SW6010C | |
| Selenium | < 2.5 | | 2.5 | 2.5 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Thallium | < 1.5 | | 1.5 | 1.5 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Vanadium | 41.6 | | 0.4 | 0.39 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Zinc | 74.5 | | 0.8 | 0.39 | mg/Kg | 1 | 04/25/15 | EK | SW6010C | |
| Percent Solid | 85 | | | | % | | 04/23/15 | I | SW846-%Solid | |
| Soil Extraction for PCB | Completed | | | | | | 04/23/15 | BC | SW3545A | |
| Soil Extraction for Pesticide | Completed | | | | | | 04/23/15 | BC/H | SW3545A | |
| Soil Extraction for SVOA | Completed | | | | | | 04/23/15 | JJ/VH | SW3545A | |
| Mercury Digestion | Completed | | | | | | 04/24/15 | I/I | SW7471B | |

Project ID: 1825 OCEAN AVE
Client ID: B2 (0-2)

Phoenix I.D.: BJ07303

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference |
|---|---|---|---|---|---|---|---|---|
| Total Metals Digest | Completed | | | | | 04/23/15 | CB/AG/I | SW3050B |
| **Polychlorinated Biphenyls** | | | | | | | | |
| PCB-1016 | ND | 39 | 39 | ug/Kg | 2 | 04/24/15 | AW | SW8082A |
| PCB-1221 | ND | 39 | 39 | ug/Kg | 2 | 04/24/15 | AW | SW8082A |
| PCB-1232 | ND | 39 | 39 | ug/Kg | 2 | 04/24/15 | AW | SW8082A |
| PCB-1242 | ND | 39 | 39 | ug/Kg | 2 | 04/24/15 | AW | SW8082A |
| PCB-1248 | ND | 39 | 39 | ug/Kg | 2 | 04/24/15 | AW | SW8082A |
| PCB-1254 | ND | 39 | 39 | ug/Kg | 2 | 04/24/15 | AW | SW8082A |
| PCB-1260 | ND | 39 | 39 | ug/Kg | 2 | 04/24/15 | AW | SW8082A |
| PCB-1262 | ND | 39 | 39 | ug/Kg | 2 | 04/24/15 | AW | SW8082A |
| PCB-1268 | ND | 39 | 39 | ug/Kg | 2 | 04/24/15 | AW | SW8082A |
| **QA/QC Surrogates** | | | | | | | | |
| % DCBP | 72 | | | % | 2 | 04/24/15 | AW | 30 - 150 % |
| % TCMX | 78 | | | % | 2 | 04/24/15 | AW | 30 - 150 % |
| **Pesticides - Soil** | | | | | | | | |
| 4,4' -DDD | ND | 2.3 | 2.3 | ug/Kg | 2 | 04/25/15 | CE | SW8081B |
| 4,4' -DDE | ND | 2.3 | 2.3 | ug/Kg | 2 | 04/25/15 | CE | SW8081B |
| 4,4' -DDT | ND | 2.3 | 2.3 | ug/Kg | 2 | 04/25/15 | CE | SW8081B |
| a-BHC | ND | 7.8 | 7.8 | ug/Kg | 2 | 04/25/15 | CE | SW8081B |
| a-Chlordane | ND | 3.9 | 3.9 | ug/Kg | 2 | 04/25/15 | CE | SW8081B |
| Aldrin | ND | 3.9 | 3.9 | ug/Kg | 2 | 04/25/15 | CE | SW8081B |
| b-BHC | ND | 7.8 | 7.8 | ug/Kg | 2 | 04/25/15 | CE | SW8081B |
| Chlordane | ND | 39 | 39 | ug/Kg | 2 | 04/25/15 | CE | SW8081B |
| d-BHC | ND | 7.8 | 7.8 | ug/Kg | 2 | 04/25/15 | CE | SW8081B |
| Dieldrin | ND | 3.9 | 3.9 | ug/Kg | 2 | 04/25/15 | CE | SW8081B |
| Endosulfan I | ND | 7.8 | 7.8 | ug/Kg | 2 | 04/25/15 | CE | SW8081B |
| Endosulfan II | ND | 7.8 | 7.8 | ug/Kg | 2 | 04/25/15 | CE | SW8081B |
| Endosulfan sulfate | ND | 7.8 | 7.8 | ug/Kg | 2 | 04/25/15 | CE | SW8081B |
| Endrin | ND | 7.8 | 7.8 | ug/Kg | 2 | 04/25/15 | CE | SW8081B |
| Endrin aldehyde | ND | 7.8 | 7.8 | ug/Kg | 2 | 04/25/15 | CE | SW8081B |
| Endrin ketone | ND | 7.8 | 7.8 | ug/Kg | 2 | 04/25/15 | CE | SW8081B |
| g-BHC | ND | 1.6 | 1.6 | ug/Kg | 2 | 04/25/15 | CE | SW8081B |
| g-Chlordane | ND | 3.9 | 3.9 | ug/Kg | 2 | 04/25/15 | CE | SW8081B |
| Heptachlor | ND | 7.8 | 7.8 | ug/Kg | 2 | 04/25/15 | CE | SW8081B |
| Heptachlor epoxide | ND | 7.8 | 7.8 | ug/Kg | 2 | 04/25/15 | CE | SW8081B |
| Methoxychlor | ND | 39 | 39 | ug/Kg | 2 | 04/25/15 | CE | SW8081B |
| Toxaphene | ND | 160 | 160 | ug/Kg | 2 | 04/25/15 | CE | SW8081B |
| **QA/QC Surrogates** | | | | | | | | |
| % DCBP | 88 | | | % | 2 | 04/25/15 | CE | 30 - 150 % |
| % TCMX | 65 | | | % | 2 | 04/25/15 | CE | 30 - 150 % |
| **Semivolatiles** | | | | | | | | |
| Acenaphthene | ND | 270 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Acenaphthylene | ND | 270 | 110 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Anthracene | ND | 270 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Benz(a)anthracene | ND | 270 | 130 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Benzo(a)pyrene | ND | 270 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Benzo(b)fluoranthene | ND | 270 | 130 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |

Project ID: 1825 OCEAN AVE
Client ID: B2 (0-2)

Phoenix I.D.: BJ07303

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference |
|---|---|---|---|---|---|---|---|---|
| Benzo(ghi)perylene | ND | 270 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Benzo(k)fluoranthene | ND | 270 | 130 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Chrysene | ND | 270 | 130 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Dibenz(a,h)anthracene | ND | 270 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Fluoranthene | ND | 270 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Fluorene | ND | 270 | 130 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Indeno(1,2,3-cd)pyrene | ND | 270 | 130 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Naphthalene | ND | 270 | 110 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Phenanthrene | ND | 270 | 110 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Pyrene | ND | 270 | 130 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| **QA/QC Surrogates** | | | | | | | | |
| % 2-Fluorobiphenyl | 62 | | | % | 1 | 04/24/15 | DD | 30 - 115 % |
| % Nitrobenzene-d5 | 69 | | | % | 1 | 04/24/15 | DD | 23 - 120 % |
| % Terphenyl-d14 | 69 | | | % | 1 | 04/24/15 | DD | 18 - 137 % |
| Pyridine | ND | 330 | 330 | ug/Kg | 1 | 04/27/15 | DD | SW8270D |

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

## Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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**Phyllis Shiller, Laboratory Director**
**April 28, 2015**
**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

April 28, 2015

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOLID | Collected by: | | 04/22/15 | 12:15 |
| Location Code: | EBC | Received by: | SW | 04/23/15 | 16:45 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GBJ07290
Phoenix ID: BJ07307

Project ID: 1825 OCEAN AVE
Client ID: B2 (23-25)

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference |
|---|---|---|---|---|---|---|---|---|
| Percent Solid | 91 | | | % | | 04/23/15 | I | SW846-%Solid |
| Soil Extraction for SVOA | Completed | | | | | 04/23/15 | JJ/VH | SW3545A |
| Field Extraction | Completed | | | | | 04/22/15 | | SW5035A |
| **Volatiles** | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 14000 | 2900 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C |
| 1,1,1-Trichloroethane | ND | 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C |
| 1,1,2,2-Tetrachloroethane | ND | 14000 | 2900 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C |
| 1,1,2-Trichloroethane | ND | 14000 | 2900 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C |
| 1,1-Dichloroethane | ND | 14000 | 2900 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C |
| 1,1-Dichloroethene | ND | 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C |
| 1,1-Dichloropropene | ND | 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C |
| 1,2,3-Trichlorobenzene | ND | 14000 | 2900 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C |
| 1,2,3-Trichloropropane | ND | 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C |
| 1,2,4-Trichlorobenzene | ND | 14000 | 2900 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C |
| 1,2,4-Trimethylbenzene | 230000 | 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C |
| 1,2-Dibromo-3-chloropropane | ND | 14000 | 2900 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C |
| 1,2-Dibromoethane | ND | 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C |
| 1,2-Dichlorobenzene | ND | 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C |
| 1,2-Dichloroethane | ND | 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C |
| 1,2-Dichloropropane | ND | 14000 | 2900 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C |
| 1,3,5-Trimethylbenzene | 70000 | 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C |
| 1,3-Dichlorobenzene | ND | 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C |
| 1,3-Dichloropropane | ND | 14000 | 2900 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C |
| 1,4-Dichlorobenzene | ND | 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C |
| 2,2-Dichloropropane | ND | 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C |
| 2-Chlorotoluene | ND | 14000 | 2900 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C |
| 2-Hexanone | ND | 71000 | 14000 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C |

Project ID: 1825 OCEAN AVE
Client ID: B2 (23-25)

Phoenix I.D.: BJ07307

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| 2-Isopropyltoluene | ND | 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | 1 |
| 4-Chlorotoluene | ND | 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| 4-Methyl-2-pentanone | ND | 71000 | 14000 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| Acetone | ND | 140000 | 14000 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| Acrylonitrile | ND | 29000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| Benzene | ND | 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| Bromobenzene | ND | 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| Bromochloromethane | ND | 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| Bromodichloromethane | ND | 14000 | 2900 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| Bromoform | ND | 14000 | 2900 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| Bromomethane | ND | 14000 | 5700 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| Carbon Disulfide | ND | 14000 | 2900 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| Carbon tetrachloride | ND | 14000 | 2900 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| Chlorobenzene | ND | 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| Chloroethane | ND | 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| Chloroform | ND | 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| Chloromethane | ND | 14000 | 2900 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| cis-1,2-Dichloroethene | ND | 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| cis-1,3-Dichloropropene | ND | 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| Dibromochloromethane | ND | 14000 | 2900 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| Dibromomethane | ND | 14000 | 2900 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| Dichlorodifluoromethane | ND | 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| Ethylbenzene | 22000 | 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| Hexachlorobutadiene | ND | 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| Isopropylbenzene | 7900 | J 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| m&p-Xylene | 45000 | 14000 | 2900 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| Methyl Ethyl Ketone | ND | 86000 | 14000 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| Methyl t-butyl ether (MTBE) | ND | 29000 | 2900 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| Methylene chloride | ND | 14000 | 14000 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| Naphthalene | 27000 | 14000 | 2900 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| n-Butylbenzene | 17000 | 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| n-Propylbenzene | 35000 | 14000 | 2600 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| o-Xylene | ND | 14000 | 2900 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| p-Isopropyltoluene | 3700 | J 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| sec-Butylbenzene | 4700 | J 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| Styrene | ND | 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| tert-Butylbenzene | ND | 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| Tetrachloroethene | ND | 14000 | 2900 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| Tetrahydrofuran (THF) | ND | 29000 | 7100 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | 1 |
| Toluene | ND | 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| trans-1,2-Dichloroethene | ND | 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| trans-1,3-Dichloropropene | ND | 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| trans-1,4-dichloro-2-butene | ND | 29000 | 7100 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| Trichloroethene | ND | 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| Trichlorofluoromethane | ND | 14000 | 2900 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| Trichlorotrifluoroethane | ND | 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| Vinyl chloride | ND | 14000 | 1400 | ug/Kg | 2500 | 04/28/15 | JLI | SW8260C | |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 104 | | | % | 2500 | 04/28/15 | JLI | 70 - 130 % | |

Project ID: 1825 OCEAN AVE
Client ID: B2 (23-25)

Phoenix I.D.: BJ07307

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference |
|---|---|---|---|---|---|---|---|---|
| % Bromofluorobenzene | 106 | | | % | 2500 | 04/28/15 | JLI | 70 - 130 % |
| % Dibromofluoromethane | 97 | | | % | 2500 | 04/28/15 | JLI | 70 - 130 % |
| % Toluene-d8 | 96 | | | % | 2500 | 04/28/15 | JLI | 70 - 130 % |
| **1,4-dioxane** | | | | | | | | |
| 1,4-dioxane | ND | 57000 | 23000 | ug/kg | 500 | 04/28/15 | JLI | SW8260C |
| **QA/QC Surrogates** | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 99 | | | % | 500 | 04/28/15 | JLI | 70 - 130 % |
| % Bromofluorobenzene | 88 | | | % | 500 | 04/28/15 | JLI | 70 - 130 % |
| % Toluene-d8 | 99 | | | % | 500 | 04/28/15 | JLI | 70 - 130 % |
| **Volatiles** | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 11000 | 570 | ug/Kg | 500 | 04/28/15 | JLI | SW8260C |
| Acrolein | ND | 11000 | 1400 | ug/Kg | 500 | 04/28/15 | JLI | SW8260C |
| Acrylonitrile | ND | 11000 | 290 | ug/Kg | 500 | 04/28/15 | JLI | SW8260C |
| Tert-butyl alcohol | ND | 57000 | 11000 | ug/Kg | 500 | 04/28/15 | JLI | SW8260C |
| **Semivolatiles** | | | | | | | | |
| Acenaphthene | ND | 250 | 110 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Acenaphthylene | ND | 250 | 100 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Anthracene | ND | 250 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Benz(a)anthracene | ND | 250 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Benzo(a)pyrene | ND | 250 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Benzo(b)fluoranthene | ND | 250 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Benzo(ghi)perylene | ND | 250 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Benzo(k)fluoranthene | ND | 250 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Chrysene | ND | 250 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Dibenz(a,h)anthracene | ND | 250 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Fluoranthene | ND | 250 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Fluorene | ND | 250 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Indeno(1,2,3-cd)pyrene | ND | 250 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Naphthalene | 4900 | 250 | 100 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Phenanthrene | ND | 250 | 100 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| Pyrene | ND | 250 | 120 | ug/Kg | 1 | 04/24/15 | DD | SW8270D |
| **QA/QC Surrogates** | | | | | | | | |
| % 2-Fluorobiphenyl | 79 | | | % | 1 | 04/24/15 | DD | 30 - 115 % |
| % Nitrobenzene-d5 | 95 | | | % | 1 | 04/24/15 | DD | 23 - 120 % |
| % Terphenyl-d14 | 88 | | | % | 1 | 04/24/15 | DD | 18 - 137 % |
| Pyridine | ND | 330 | 330 | ug/Kg | 1 | 04/27/15 | DD | SW8270D |

Project ID: 1825 OCEAN AVE
Client ID: B2 (23-25)

Phoenix I.D.: BJ07307

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference |
|---|---|---|---|---|---|---|---|---|

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

## Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Volatile Comment:
Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

**Phyllis Shiller, Laboratory Director**
**April 28, 2015**
**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

April 28, 2015

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | GROUND WATER | Collected by: | | 04/22/15 | 14:00 |
| Location Code: | EBC | Received by: | SW | 04/23/15 | 16:45 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GBJ07290
Phoenix ID: BJ07308

Project ID: 1825 OCEAN AVE
Client ID: B2 GW

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 1,1,1-Trichloroethane | ND | | 50 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 1,1,2,2-Tetrachloroethane | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 1,1,2-Trichloroethane | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 1,1-Dichloroethane | ND | | 50 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 1,1-Dichloroethene | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 1,1-Dichloropropene | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 1,2,3-Trichlorobenzene | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 1,2,3-Trichloropropane | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 1,2,4-Trichlorobenzene | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 1,2,4-Trimethylbenzene | 1900 | | 100 | 25 | ug/L | 100 | 04/24/15 | MH | SW8260C | |
| 1,2-Dibromo-3-chloropropane | ND | | 10 | 5.0 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 1,2-Dibromoethane | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 1,2-Dichlorobenzene | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 1,2-Dichloroethane | ND | | 6.0 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 1,2-Dichloropropane | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 1,3,5-Trimethylbenzene | 560 | | 100 | 25 | ug/L | 100 | 04/24/15 | MH | SW8260C | |
| 1,3-Dichlorobenzene | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 1,3-Dichloropropane | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 1,4-Dichlorobenzene | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 2,2-Dichloropropane | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 2-Chlorotoluene | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 2-Hexanone | ND | | 25 | 25 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 2-Isopropyltoluene | 5.0 | J | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | 1 |
| 4-Chlorotoluene | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| 4-Methyl-2-pentanone | ND | | 25 | 25 | ug/L | 10 | 04/24/15 | MH | SW8260C | |

Project ID: 1825 OCEAN AVE
Client ID: B2 GW

Phoenix I.D.: BJ07308

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 50 | 25 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Acrolein | ND | | 50 | 25 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Acrylonitrile | ND | | 50 | 25 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Benzene | 5.5 | J | 7.0 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Bromobenzene | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Bromochloromethane | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Bromodichloromethane | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Bromoform | ND | | 50 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Bromomethane | ND | | 50 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Carbon Disulfide | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Carbon tetrachloride | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Chlorobenzene | ND | | 50 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Chloroethane | ND | | 50 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Chloroform | ND | | 50 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Chloromethane | ND | | 50 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| cis-1,2-Dichloroethene | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| cis-1,3-Dichloropropene | ND | | 4.0 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Dibromochloromethane | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Dibromomethane | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Dichlorodifluoromethane | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Ethylbenzene | 150 | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Hexachlorobutadiene | ND | | 10 | 1.0 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Isopropylbenzene | 77 | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| m&p-Xylene | 1100 | | 100 | 25 | ug/L | 100 | 04/24/15 | MH | SW8260C | |
| Methyl ethyl ketone | ND | | 25 | 25 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Methyl t-butyl ether (MTBE) | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Methylene chloride | ND | | 30 | 10 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Naphthalene | 310 | | 100 | 100 | ug/L | 100 | 04/24/15 | MH | SW8260C | |
| n-Butylbenzene | 32 | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| n-Propylbenzene | 170 | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| o-Xylene | 34 | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| p-Isopropyltoluene | 14 | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| sec-Butylbenzene | 16 | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Styrene | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| tert-Butylbenzene | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Tetrachloroethene | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Tetrahydrofuran (THF) | ND | | 50 | 25 | ug/L | 10 | 04/24/15 | MH | SW8260C | 1 |
| Toluene | 15 | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| trans-1,2-Dichloroethene | ND | | 50 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| trans-1,3-Dichloropropene | ND | | 4.0 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| trans-1,4-dichloro-2-butene | ND | | 25 | 25 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Trichloroethene | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Trichlorofluoromethane | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Trichlorotrifluoroethane | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| Vinyl chloride | ND | | 10 | 2.5 | ug/L | 10 | 04/24/15 | MH | SW8260C | |
| **QA/QC Surrogates** | | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 104 | | | | % | 10 | 04/24/15 | MH | 70 - 130 % | |
| % Bromofluorobenzene | 104 | | | | % | 10 | 04/24/15 | MH | 70 - 130 % | |
| % Dibromofluoromethane | 89 | | | | % | 10 | 04/24/15 | MH | 70 - 130 % | |

Project ID: 1825 OCEAN AVE
Client ID: B2 GW

Phoenix I.D.: BJ07308

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference |
|---|---|---|---|---|---|---|---|---|
| % Toluene-d8 | 105 | | | % | 10 | 04/24/15 | MH | 70 - 130 % |

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

## Comments:

Volatile Comment:
Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

**Phyllis Shiller, Laboratory Director**
**April 28, 2015**
**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**

# Sample Criteria Exceedences Report

## GBJ07290 - EBC



Criteria: NY: 375, 375RRS, 375RS

State: NY

| SampNo | Acode | Phoenix Analyte | Criteria | Result | RL | Criteria | RL Criteria | Analysis Units |
|---|---|---|---|---|---|---|---|---|
| BJ07290 | CU-SM | Copper | NY / 375-6.8 Metals / Unrestricted Use Soil | 56.1 | 0.38 | 50 | 50 | mg/kg |
| BJ07290 | HG-SM | Mercury | NY / 375-6.8 Metals / Unrestricted Use Soil | 0.32 | 0.03 | 0.18 | 0.18 | mg/Kg |
| BJ07290 | PB-SMDP | Lead | NY / 375-6.8 Metals / Residential | 1860 | 75 | 400 | 400 | mg/Kg |
| BJ07290 | PB-SMDP | Lead | NY / 375-6.8 Metals / Residential Restricted | 1860 | 75 | 400 | 400 | mg/Kg |
| BJ07290 | PB-SMDP | Lead | NY / 375-6.8 Metals / Unrestricted Use Soil | 1860 | 75 | 63 | 63 | mg/Kg |
| BJ07290 | ZN-SMDP | Zinc | NY / 375-6.8 Metals / Unrestricted Use Soil | 193 | 7.5 | 109 | 109 | mg/Kg |
| BJ07301 | $8260MADPR | Vinyl chloride | NY / 375-6.8 Volatiles / Residential | ND | 270 | 210 | 210 | ug/Kg |
| BJ07301 | $8260MADPR | Vinyl chloride | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 270 | 20 | 20 | ug/Kg |
| BJ07301 | $8260MADPR | Methylene chloride | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 270 | 50 | 50 | ug/Kg |
| BJ07301 | $8260MADPR | Methyl Ethyl Ketone | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 1600 | 120 | 120 | ug/Kg |
| BJ07301 | $8260MADPR | cis-1,2-Dichloroethene | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 270 | 250 | 250 | ug/Kg |
| BJ07301 | $8260MADPR | Benzene | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 270 | 60 | 60 | ug/Kg |
| BJ07301 | $8260MADPR | Acetone | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 2700 | 50 | 50 | ug/Kg |
| BJ07301 | $8260MADPR | 1,2-Dichloroethane | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 270 | 20 | 20 | ug/Kg |
| BJ07301 | $8260MADPR | 1,2,4-Trimethylbenzene | NY / 375-6.8 Volatiles / Unrestricted Use Soil | 9400 | 1300 | 3600 | 3600 | ug/Kg |
| BJ07301 | $8260MADPR | trans-1,2-Dichloroethene | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 270 | 190 | 190 | ug/Kg |
| BJ07301 | $DIOX_SMR | 1,4-dioxane | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 5300 | 100 | 100 | ug/kg |
| BJ07307 | $8260MADPR | Chloroform | NY / 375-6.8 Volatiles / Residential | ND | 14000 | 10000 | 10000 | ug/Kg |
| BJ07307 | $8260MADPR | Vinyl chloride | NY / 375-6.8 Volatiles / Residential | ND | 14000 | 210 | 210 | ug/Kg |
| BJ07307 | $8260MADPR | Benzene | NY / 375-6.8 Volatiles / Residential | ND | 14000 | 2900 | 2900 | ug/Kg |
| BJ07307 | $8260MADPR | 1,3,5-Trimethylbenzene | NY / 375-6.8 Volatiles / Residential | 70000 | 14000 | 47000 | 47000 | ug/Kg |
| BJ07307 | $8260MADPR | Carbon tetrachloride | NY / 375-6.8 Volatiles / Residential | ND | 14000 | 1400 | 1400 | ug/Kg |
| BJ07307 | $8260MADPR | 1,2-Dichloroethane | NY / 375-6.8 Volatiles / Residential | ND | 14000 | 2300 | 2300 | ug/Kg |
| BJ07307 | $8260MADPR | Tetrachloroethene | NY / 375-6.8 Volatiles / Residential | ND | 14000 | 5500 | 5500 | ug/Kg |
| BJ07307 | $8260MADPR | 1,2,4-Trimethylbenzene | NY / 375-6.8 Volatiles / Residential | 230000 | 14000 | 47000 | 47000 | ug/Kg |
| BJ07307 | $8260MADPR | Trichloroethene | NY / 375-6.8 Volatiles / Residential | ND | 14000 | 10000 | 10000 | ug/Kg |
| BJ07307 | $8260MADPR | Acetone | NY / 375-6.8 Volatiles / Residential | ND | 140000 | 100000 | 100000 | ug/Kg |
| BJ07307 | $8260MADPR | 1,4-Dichlorobenzene | NY / 375-6.8 Volatiles / Residential | ND | 14000 | 9800 | 9800 | ug/Kg |
| BJ07307 | $8260MADPR | 1,2-Dichloroethane | NY / 375-6.8 Volatiles / Residential Restricted | ND | 14000 | 3100 | 3100 | ug/Kg |
| BJ07307 | $8260MADPR | 1,3,5-Trimethylbenzene | NY / 375-6.8 Volatiles / Residential Restricted | 70000 | 14000 | 52000 | 52000 | ug/Kg |
| BJ07307 | $8260MADPR | 1,4-Dichlorobenzene | NY / 375-6.8 Volatiles / Residential Restricted | ND | 14000 | 13000 | 13000 | ug/Kg |
| BJ07307 | $8260MADPR | 1,2,4-Trimethylbenzene | NY / 375-6.8 Volatiles / Residential Restricted | 230000 | 14000 | 52000 | 52000 | ug/Kg |
| BJ07307 | $8260MADPR | Carbon tetrachloride | NY / 375-6.8 Volatiles / Residential Restricted | ND | 14000 | 2400 | 2400 | ug/Kg |
| BJ07307 | $8260MADPR | Acetone | NY / 375-6.8 Volatiles / Residential Restricted | ND | 140000 | 100000 | 100000 | ug/Kg |
| BJ07307 | $8260MADPR | Vinyl chloride | NY / 375-6.8 Volatiles / Residential Restricted | ND | 14000 | 900 | 900 | ug/Kg |
| BJ07307 | $8260MADPR | Benzene | NY / 375-6.8 Volatiles / Residential Restricted | ND | 14000 | 4800 | 4800 | ug/Kg |
| BJ07307 | $8260MADPR | Methyl Ethyl Ketone | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 86000 | 120 | 120 | ug/Kg |
| BJ07307 | $8260MADPR | Methyl t-butyl ether (MTBE) | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 29000 | 930 | 930 | ug/Kg |
| BJ07307 | $8260MADPR | Methylene chloride | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 14000 | 50 | 50 | ug/Kg |
| BJ07307 | $8260MADPR | n-Butylbenzene | NY / 375-6.8 Volatiles / Unrestricted Use Soil | 17000 | 14000 | 12000 | 12000 | ug/Kg |

# Sample Criteria Exceedences Report

## GBJ07290 - EBC



Criteria: NY: 375, 375RRS, 375RS

State: NY

| SampNo | Acode | Phoenix Analyte | Criteria | Result | RL | Criteria | RL Criteria | Analysis Units |
|---|---|---|---|---|---|---|---|---|
| BJ07307 | $8260MADPR | n-Propylbenzene | NY / 375-6.8 Volatiles / Unrestricted Use Soil | 35000 | 14000 | 3900 | 3900 | ug/Kg |
| BJ07307 | $8260MADPR | tert-Butylbenzene | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 14000 | 5900 | 5900 | ug/Kg |
| BJ07307 | $8260MADPR | 1,4-Dichlorobenzene | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 14000 | 1800 | 1800 | ug/Kg |
| BJ07307 | $8260MADPR | Toluene | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 14000 | 700 | 700 | ug/Kg |
| BJ07307 | $8260MADPR | 1,1,1-Trichloroethane | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 14000 | 680 | 680 | ug/Kg |
| BJ07307 | $8260MADPR | trans-1,2-Dichloroethene | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 14000 | 190 | 190 | ug/Kg |
| BJ07307 | $8260MADPR | Trichloroethene | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 14000 | 470 | 470 | ug/Kg |
| BJ07307 | $8260MADPR | Vinyl chloride | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 14000 | 20 | 20 | ug/Kg |
| BJ07307 | $8260MADPR | Tetrachloroethene | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 14000 | 1300 | 1300 | ug/Kg |
| BJ07307 | $8260MADPR | 1,2-Dichlorobenzene | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 14000 | 1100 | 1100 | ug/Kg |
| BJ07307 | $8260MADPR | Acetone | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 140000 | 50 | 50 | ug/Kg |
| BJ07307 | $8260MADPR | 1,3-Dichlorobenzene | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 14000 | 2400 | 2400 | ug/Kg |
| BJ07307 | $8260MADPR | 1,3,5-Trimethylbenzene | NY / 375-6.8 Volatiles / Unrestricted Use Soil | 70000 | 14000 | 8400 | 8400 | ug/Kg |
| BJ07307 | $8260MADPR | Benzene | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 14000 | 60 | 60 | ug/Kg |
| BJ07307 | $8260MADPR | Ethylbenzene | NY / 375-6.8 Volatiles / Unrestricted Use Soil | 22000 | 14000 | 1000 | 1000 | ug/Kg |
| BJ07307 | $8260MADPR | Carbon tetrachloride | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 14000 | 760 | 760 | ug/Kg |
| BJ07307 | $8260MADPR | cis-1,2-Dichloroethene | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 14000 | 250 | 250 | ug/Kg |
| BJ07307 | $8260MADPR | 1,2,4-Trimethylbenzene | NY / 375-6.8 Volatiles / Unrestricted Use Soil | 230000 | 14000 | 3600 | 3600 | ug/Kg |
| BJ07307 | $8260MADPR | Chlorobenzene | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 14000 | 1100 | 1100 | ug/Kg |
| BJ07307 | $8260MADPR | Chloroform | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 14000 | 370 | 370 | ug/Kg |
| BJ07307 | $8260MADPR | 1,1-Dichloroethene | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 14000 | 330 | 330 | ug/Kg |
| BJ07307 | $8260MADPR | 1,1-Dichloroethane | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 14000 | 270 | 270 | ug/Kg |
| BJ07307 | $8260MADPR | 1,2-Dichloroethane | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 14000 | 20 | 20 | ug/Kg |
| BJ07307 | $DIOX_SMR | 1,4-dioxane | NY / 375-6.8 Volatiles / Residential | ND | 57000 | 9800 | 9800 | ug/kg |
| BJ07307 | $DIOX_SMR | 1,4-dioxane | NY / 375-6.8 Volatiles / Residential Restricted | ND | 57000 | 13000 | 13000 | ug/kg |
| BJ07307 | $DIOX_SMR | 1,4-dioxane | NY / 375-6.8 Volatiles / Unrestricted Use Soil | ND | 57000 | 100 | 100 | ug/kg |

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

**Environmental Laboratories, Inc.**
**587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045**
**Tel. (860) 645-1102 Fax (860) 645-0823**

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# NY Temperature Narration

**April 28, 2015**

**SDG I.D.: GBJ07290**

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

Cooler: Yes ☐ No ☐
Coolant: IPK ☑ ICE ☐ No ☐
Temp °C Pg of

# NY/NJ CHAIN OF CUSTODY RECORD

PHOENIX Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

**Contact Options:**
☐ Fax:
■ Phone: (631) 504-6000
■ Email: Csosik@ebcincny.com

Customer: Environmental Business Consultants
Address: 1808 Middle Country Road
Ridge, New York 11961

Project: 1825 Ocean Ave
Report to: Environmental Business Consultants
Invoice to: Environmental Business Consultants
Project P.O:

***This section MUST be completed with Bottle Quantities.***

Client Sample - Information - Identification
Sampler's Signature: Date: 4/22/15

**Matrix Code:**
**DW**=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
**RW**=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
**OIL**=Oil **B**=Bulk **L**=Liquid

Analysis Request

| PHOENIX USE ONLY SAMPLE # | Customer Sample Identification | Sample Matrix | Date Sampled | Time Sampled | VOCs 8260 | SVOCs ~~8270~~ | ~~Pesticides~~/PCBs CP51 | TAL Metals | x | x | x | x | x | x | x | Soil VOA Vials [X] methanol [X] H2O | GL Soil container (8) oz | GL Soil container ( ) oz | 40 ml VOA Vial [ ] HCl | GL Amber 1000ml [ ] As is | PL As is [ ] 250ml | PL H2SO4 [ ] 250ml [ ] 500ml | PL HNO3 250ml | PL NaOH 250ml | Bacteria Bottle |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07290 | B3 (0-2) | S | 4/22/15 | 0715 | | ✓ | ✓ | ✓ | | | | | | | | | | 1 | | | | | | | |
| 07291 | B3 (13-15) | S | 4/22/15 | 0915 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | |
| 07292 | B4 (0-2) | S | 4/22/15 | 0945 | | ✓ | ✓ | ✓ | | | | | | | | | | 1 | | | | | | | |
| 07293 | B4 (13-15) | S | 4/22/15 | 0945 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | |
| 07294 | B5 (0-2) | S | 4/22/15 | 1015 | | ✓ | ✓ | ✓ | | | | | | | | | | 1 | | | | | | | |
| 07295 | B5 (13-15) | S | 4/22/15 | 1015 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | |
| 07296 | B5 GW | GW | 4/22/15 | 1100 | ✓ | | | | | | | | | | | | | | 3 | | | | | | |
| 07297 | B1 (0-2) | S | 4/22/15 | 1110 | | ✓ | ✓ | ✓ | | | | | | | | | | 1 | | | | | | | |
| 07298 | B1 (8-10) | S | 4/22/15 | 1115 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | |
| 07299 | B1 (13-15) | S | 4/22/15 | 1120 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | |
| 07300 | B1 (18-20) | S | 4/22/15 | 1125 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | |

| Relinquished by: | Accepted by: | Date: | Time: |
|---|---|---|---|
| | | 4-23-15 | 12:35 |
| | | 4-23-15 | 1645 |
| | | | |

**Comments, Special Requirements or Regulations:**

**Turnaround:**
☐ 1 Day*
☐ 2 Days*
☒ 3 Days*
☐ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

**NJ**
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

**NY**
☐ TAGM 4046 GW
☐ TAGM 4046 SOIL
■ NY375 Unrestricted Use Soil
■ NY375 Residential
■ Restricted/Residential
☐ Commercial
☐ Industrial

**Data Format**
☐ Phoenix Std Report
■ Excel
■ PDF
☐ GIS/Key
☐ EQuIS
☐ NJ Hazsite EDD
■ NY EZ EDD (ASP)
☐ Other

**Data Package**
☐ NJ Reduced Deliv. *
■ NY Enhanced (ASP B) *
☐ Other

**State where samples were collected:** NY

Cooler: Yes ☐ No ☐
Coolant: ☑ IPK ☐ ICE ☐ No ☐
Temp 4 °C Pg of

# PHOENIX Environmental Laboratories, Inc.

## NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
**Client Services (860) 645-8726**

**Contact Options:**
☐ Fax:
■ Phone: (631) 504-6000
■ Email: Csosik@ebcincny.com

Customer: Environmental Business Consultants
Address: 1808 Middle Country Road
Ridge, New York 11961

Project: 1825 Ocean Ave
Report to: Environmental Business Consultants
Invoice to: Environmental Business Consultants

Project P.O:

***This section MUST be completed with Bottle Quantities.***

Sampler's Signature: [signature] Date: 4/22/15

**Client Sample - Information - Identification**

**Matrix Code:**
**DW**=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
**RW**=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
**OIL**=Oil **B**=Bulk **L**=Liquid

Analysis Request

| PHOENIX USE ONLY SAMPLE # | Customer Sample Identification | Sample Matrix | Date Sampled | Time Sampled | VOCs 8260 | SVOCs 8270 | Pesticides/PCBs | TAL Metals | x | x | x | x | x | x | x | Soil VOA Vials [X] methanol [X] H2O | GL Soil container (8) oz | GL Soil container ( ) oz | 40 ml VOA Vial [ ] HCl | GL Amber 1000ml [ ] As is | PL As is [ ] 250ml | PL H2SO4 [ ] 250ml [ ] 500ml | PL HNO3 250ml | PL NaOH 250ml | Bacteria Bottle |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07301 | B1 (23-25) | S | 4/22/15 | 1130 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | |
| 07302 | B1GW | GW | 4/22/15 | 1300 | ✓ | | | | | | | | | | | | | | | 3 | | | | | |
| 07303 | B2 (0-2) | S | 4/22/15 | 1140 | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | 1 | | | | | | | |
| 07304 | B2 (8-10) | S | 4/22/15 | 1145 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | |
| 07305 | B2 (13-15) | S | 4/22/15 | 1150 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | |
| 07306 | B2 (18-20) | S | 4/22/15 | 1155 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | |
| 07307 | B2 (23-25) | S | 4/22/15 | 1215 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | |
| 07308 | B2GW | GW | 4/22/15 | 1400 | ✓ | | | | | | | | | | | | | | | 3 | | | | | |

| Relinquished by: | Accepted by: | Date: | Time: |
|---|---|---|---|
| [signature] | [signature] | 4-23-15 | 12:35 |
| [signature] | [signature] | 4-23-15 | 1645 |

**Comments, Special Requirements or Regulations:**

**Turnaround:**
☐ 1 Day*
☐ 2 Days*
☒ 3 Days*
☐ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

**NJ**
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

**NY**
☐ TAGM 4046 GW
☐ TAGM 4046 SOIL
■ NY375 Unrestricted Use Soil
■ NY375 Residential
■ Restricted/Residential
☐ Commercial
☐ Industrial

**Data Format**
☐ Phoenix Std Report
■ Excel
■ PDF
☐ GIS/Key
☐ EQuIS
☐ NJ Hazsite EDD
■ NY EZ EDD (ASP)
☐ Other

**Data Package**
☐ NJ Reduced Deliv. *
■ NY Enhanced (ASP B) *
☐ Other

**State where samples were collected:** NY

Pg. 1 of 2

Coolant: IPK ☐ ICE ☐ Cooler: Yes ☐ No ☐ No ☐

Temp °C Pg of

# NY/NJ CHAIN OF CUSTODY RECORD

**PHOENIX** Environmental Laboratories, Inc.

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Email: info@phoenixlabs.com Fax (860) 645-0823
**Client Services (860) 645-8726**

**Contact Options:**
☐ Fax:
■ Phone: (631) 504-6000
■ Email: Csosik@ebcincny.com

Customer: Environmental Business Consultants
Address: 1808 Middle Country Road
Ridge, New York 11961

Project: 1825 Ocean Ave
Report to: Environmental Business Consultants
Invoice to: Environmental Business Consultants

Project P.O:

***This section MUST be completed with Bottle Quantities.***

**Client Sample - Information - Identification**

Sampler's Signature: [signature] Date: 4/22/15

**Matrix Code:**
DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe
OIL=Oil B=Bulk L=Liquid

Analysis Request

| PHOENIX USE ONLY SAMPLE # | Customer Sample Identification | Sample Matrix | Date Sampled | Time Sampled | VOCs 8260 | SVOCs 8270 CF51 | Pesticides/PCBs | TAL Metals | + | + | + | + | + | + | + | Soil VOA Vials [X] methanol [X] H2O | GL Soil container (8) oz | GL Soil container ( ) oz | 40 ml VOA Vial [ ] HCl | GL Amber 1000ml [ ] As is | PL As is [ ] 250ml | PL H2SO4 [ ] 250ml [ ] 500ml | PL HNO3 250ml | PL NaOH 250ml | Bacteria Bottle |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07290 | B3 (0-2) | S | 4/22/15 | 0915 | | ✓ | ✓ | ✓ | | | | | | | | | | 1 | | | | | | | |
| * 07291 | B3 (13-15) | S | 4/22/15 | 0915 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | |
| 07292 | B4 (0-2) ** | S | 4/22/15 | 0945 | | ✓ | ✓ | ✓ | | | | | | | | | | 1 | | | | | | | |
| * 07293 | B4 (13-15) | S | 4/22/15 | 0945 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | |
| 07294 | B5 (0-2) ** | S | 4/22/15 | 1015 | | ✓ | ✓ | ✓ | | | | | | | | | | 1 | | | | | | | |
| * 07295 | B5 (13-15) | S | 4/22/15 | 1015 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | |
| 07296 | B5 GW | GW | 4/22/15 | 1100 | ✓ | | | | | | | | | | | | | | 3 | | | | | | |
| 07297 | B1 (0-2) | S | 4/22/15 | 1110 | | ✓ | ✓ | ✓ | | | | | | | | | | 1 | | | | | | | |
| * 07298 | B1 (8-10) | S | 4/22/15 | 1115 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | |
| * 07299 | B1 (13-15) | S | 4/22/15 | 1120 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | |
| * 07300 | B1 (18-20) | S | 4/22/15 | 1125 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | |

| Relinquished by: | Accepted by: | Date: | Time: |
|---|---|---|---|
| [signature] | [signature] | 4-23-15 | 12:35 |
| | [signature] | 4-23-15 | 1645 |

**Comments, Special Requirements or Regulations:**

* on hold per Chawinie 4/27 (LA)

** added on hold @ 10:00 per chawinie (LA)

**Turnaround:**
☐ 1 Day*
☐ 2 Days*
☒ 3 Days*
☐ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

**NJ**
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

**NY**
☐ TAGM 4046 GW
☐ TAGM 4046 SOIL
■ NY375 Unrestricted Use Soil
■ NY375 Residential
■ Restricted/Residential
☐ Commercial
☐ Industrial

**Data Format**
☐ Phoenix Std Report
■ Excel
■ PDF
☐ GIS/Key
☐ EQuIS
☐ NJ Hazsite EDD
■ NY EZ EDD (ASP)
☐ Other

**Data Package**
☐ NJ Reduced Deliv. *
■ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY

Cooler: Yes ☐ No ☐
Coolant: IPK ☐ IQE ☐ No ☐
Temp ✓ °C Pg of

# PHOENIX Environmental Laboratories, Inc.

## NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
**Client Services (860) 645-8726**

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Project: 1825 Ocean Ave
Report to: Environmental Business Consultants
Invoice to: Environmental Business Consultants

Project P.O:

***This section MUST be completed with Bottle Quantities.***

Sampler's Signature: [signature] Date: 4/22/15

**Client Sample - Information - Identification**

**Matrix Code:**
DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe
OIL=Oil B=Bulk L=Liquid

Analysis Request

| PHOENIX USE ONLY SAMPLE # | Customer Sample Identification | Sample Matrix | Date Sampled | Time Sampled | VOCs 8260 | sVOCs 8270 | Pesticides/PCBs | TAL Metals | x | x | x | x | x | x | x | Soil VOA Vials [X] methanol [X] H2O | GL Soil container (8) oz | GL Soil container ( ) oz | 40 ml VOA Vial [ ] HCl | GL Amber 1000ml [ ] As Is | PL As is [ ] 250ml | PL H2SO4 [ ] 250ml [ ] 500ml | PL HNO3 250ml | PL NaOH 250ml | Bacteria Bottle |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07301 | B1 (23-25) | S | 4/22/15 | 1130 | ✓ | ✓ | | | | | | | | | | 3 | 1 | | | | | | | | |
| 07302 | B1GW | GW | 4/22/15 | 1300 | ✓ | | | | | | | | | | | | | | 3 | | | | | | |
| 07303 | B2 (0-2) | S | 4/22/15 | 1140 | ✓ | ✓ | ✓ | ✓ | | | | | | | | | 1 | | | | | | | | |
| * 07304 | B2 (8-10) | S | 4/22/15 | 1145 | ✓ | ✓ | | | | | | | | | | 3 | 1 | | | | | | | | |
| * 07305 | B2 (13-15) | S | 4/22/15 | 1150 | ✓ | ✓ | | | | | | | | | | 3 | 1 | | | | | | | | |
| * 07306 | B2 (18-20) | S | 4/22/15 | 1155 | ✓ | ✓ | | | | | | | | | | 3 | 1 | | | | | | | | |
| 07307 | B2 (23-25) | S | 4/22/15 | 1215 | ✓ | ✓ | | | | | | | | | | 3 | 1 | | | | | | | | |
| 07308 | B2GW | GW | 4/22/15 | 1400 | ✓ | | | | | | | | | | | | | | 3 | | | | | | |

| Relinquished by: | Accepted by: | Date: | Time: |
|---|---|---|---|
| [signature] | [signature] | 4-23-15 | 12:35 |
| | [signature] | 4-23-15 | 1645 |

**Comments, Special Requirements or Regulations:**

* on hold per chawinie 4/27 [initials]

**Turnaround:**
☐ 1 Day*
☐ 2 Days*
☒ 3 Days*
☐ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

**NJ**
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

**NY**
☐ TAGM 4046 GW
☐ TAGM 4046 SOIL
■ NY375 Unrestricted Use Soil
■ NY375 Residential
■ Restricted/Residential
☐ Commercial
☐ Industrial

**Data Format**
☐ Phoenix Std Report
■ Excel
■ PDF
☐ GIS/Key
☐ EQuIS
☐ NJ Hazsite EDD
■ NY EZ EDD (ASP)
☐ Other

**Data Package**
☐ NJ Reduced Deliv. *
■ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY

Cooler: Yes ☐ No ☐
Coolant: IPK ☐ ICE ☐ No ☐
Temp °C Pg of

# PHOENIX Environmental Laboratories, Inc.

## NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
**Client Services (860) 645-8726**

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Invoice to: Environmental Business Consultants

Project P.O:

***This section MUST be completed with Bottle Quantities.***

**Client Sample - Information - Identification**

Sampler's Signature: [signature] Date: 4/22/15

**Matrix Code:**
**DW**=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
**RW**=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
**OIL**=Oil **B**=Bulk **L**=Liquid

Analysis Request

| PHOENIX USE ONLY SAMPLE # | Customer Sample Identification | Sample Matrix | Date Sampled | Time Sampled | VOCs 8260 | SVOCs ~~8270~~ | ~~Pesticides~~/PCBs CFSI | TAL Metals | + | + | + | + | x | + | + | | Soil VOA Vials [X] methanol [X] H2O | GL Soil container (8) oz | GL Soil container ( ) oz | 40 ml VOA Vial [ ] HCl | GL Amber 1000ml [ ] As is | PL As is [ ] 250ml | PL H2SO4 [ ] 250ml [ ] 500ml | PL HNO3 250ml | PL NaOH 250ml | Bacteria Bottle |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07290 | B3 (0-2) | S | 4/22/15 | 0715 | | ✓ | ✓ | ✓ | | | | | | | | | | 1 | | | | | | | | |
| 07291 | B3 (13-15) | S | 4/22/15 | 0915 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | | |
| 07292 | B4 (0-2) | S | 4/22/15 | 0945 | | ✓ | ✓ | ✓ | | | | | | | | | | 1 | | | | | | | | |
| 07293 | B4 (13-15) | S | 4/22/15 | 0945 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | | |
| 07294 | B5 (0-2) | S | 4/22/15 | 1015 | | ✓ | ✓ | ✓ | | | | | | | | | | 1 | | | | | | | | |
| 07295 | B5 (13-15) | S | 4/22/15 | 1015 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | | |
| 07296 | B5 GW | GW | 4/22/15 | 1100 | ✓ | | | | | | | | | | | | | | 3 | | | | | | | |
| 07297 | B1 (0-2) | S | 4/22/15 | 1110 | | ✓ | ✓ | ✓ | | | | | | | | | - | 1 | | | | | | | | |
| 07298 | B1 (8-10) | S | 4/22/15 | 1115 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | | |
| 07299 | B1 (13-15) | S | 4/22/15 | 1120 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | | |
| 07300 | B1 (18-20) | S | 4/22/15 | 1125 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | | |

| Relinquished by: | Accepted by: | Date: | Time: |
|---|---|---|---|
| [signature] | [signature] | 4-23-15 | 12:35 |
| [signature] | [signature] | 4-23-15 | 1645 |

**Comments, Special Requirements or Regulations:**

**Turnaround:**
☐ 1 Day*
☐ 2 Days*
☒ 3 Days*
☐ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

**NJ**
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☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
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☐ Other

**Data Package**
☐ NJ Reduced Deliv. *
■ NY Enhanced (ASP B) *
☐ Other

**State where samples were collected:** NY

Cooler: Yes ☐ No ☐
Coolant: IPK ☐ ICE ☐ No ☐
Temp ° C Pg of

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Address: 1808 Middle Country Road
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Project: 1825 Ocean Ave
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Invoice to: Environmental Business Consultants

Project P.O:

***This section MUST be completed with Bottle Quantities.***

Sampler's Signature: Date: 4/22/15

**Client Sample - Information - Identification**

**Matrix Code:**
**DW**=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
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Analysis Request

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07301 | B1 (23-25) | S | 4/22/15 | 1130 | ✓ | ✓ | | | | | | | | | | 3 | 1 | | | | | | | | |
| 07302 | B1GW | GW | 4/22/15 | 1300 | ✓ | | | | | | | | | | | | | | 3 | | | | | | |
| 07303 | B2 (0-2) | S | 4/22/15 | 1140 | ✓ | ✓ | ✓ | ✓ | | | | | | | | | 1 | | | | | | | | |
| 07304 | B2 (8-10) | S | 4/22/15 | 1145 | ✓ | ✓ | | | | | | | | | | 3 | 1 | | | | | | | | |
| 07305 | B2 (13-15) | S | 4/22/15 | 1150 | ✓ | ✓ | | | | | | | | | | 3 | 1 | | | | | | | | |
| 07306 | B2 (18-20) | S | 4/22/15 | 1155 | ✓ | ✓ | | | | | | | | | | 3 | 1 | | | | | | | | |
| 07307 | B2 (23-25) | S | 4/22/15 | 1215 | ✓ | ✓ | | | | | | | | | | 3 | 1 | | | | | | | | |
| 07308 | B2GW | GW | 4/22/15 | 1400 | ✓ | | | | | | | | | | | | | | 3 | | | | | | |

| Relinquished by: | Accepted by: | Date: | Time: |
|---|---|---|---|
| | | 4-23-15 | 12:35 |
| | | 4-23-15 | 1645 |

**Comments, Special Requirements or Regulations:**

**Turnaround:**
☐ 1 Day*
☐ 2 Days*
☒ 3 Days*
☐ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

**NJ**
☐ Res. Criteria
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**NY**
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■ NY375 Unrestricted Use Soil
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**Data Format**
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☐ Other

**Data Package**
☐ NJ Reduced Deliv. *
■ NY Enhanced (ASP B) *
☐ Other

**State where samples were collected:** NY

Pg. 1 of 2

Coolant: IPK ☐ ICE ☐ Cooler: Yes ☐ No ☐ No ☐

Temp °C Pg of

# NY/NJ CHAIN OF CUSTODY RECORD

**PHOENIX** Environmental Laboratories, Inc.

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Project P.O:

***This section MUST be completed with Bottle Quantities.***

**Client Sample - Information - Identification**

Sampler's Signature: [signature] Date: 4/22/15

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Analysis Request

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07290 | B3 (0-2) | S | 4/22/15 | 0915 | | ✓ | ✓ | ✓ | | | | | | | | | | 1 | | | | | | | |
| * 07291 | B3 (13-15) | S | 4/22/15 | 0915 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | |
| 07292 | B4 (0-2) ** | S | 4/22/15 | 0945 | | ✓ | ✓ | ✓ | | | | | | | | | | 1 | | | | | | | |
| * 07293 | B4 (13-15) | S | 4/22/15 | 0945 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | |
| 07294 | B5 (0-2) ** | S | 4/22/15 | 1015 | | ✓ | ✓ | ✓ | | | | | | | | | | 1 | | | | | | | |
| * 07295 | B5 (13-15) | S | 4/22/15 | 1015 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | |
| 07296 | B5 GW | GW | 4/22/15 | 1100 | ✓ | | | | | | | | | | | | | | 3 | | | | | | |
| 07297 | B1 (0-2) | S | 4/22/15 | 1110 | | ✓ | ✓ | ✓ | | | | | | | | | | 1 | | | | | | | |
| * 07298 | B1 (8-10) | S | 4/22/15 | 1115 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | |
| * 07299 | B1 (13-15) | S | 4/22/15 | 1120 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | |
| * 07300 | B1 (18-20) | S | 4/22/15 | 1125 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | |

| Relinquished by: | Accepted by: | Date: | Time: |
|---|---|---|---|
| [signature] | [signature] | 4-23-15 | 12:35 |
| [signature] | [signature] | 4-23-15 | 1645 |

**Comments, Special Requirements or Regulations:**

* on hold per Chawinie 4/27 (LA)

** added on hold @ 10:00 per chawinie (LA)

**Turnaround:**
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☐ NJ Hazsite EDD
■ NY EZ EDD (ASP)
☐ Other

**Data Package**
☐ NJ Reduced Deliv. *
■ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY

Cooler: Yes [ ] No [ ]
Coolant: IPK [ ] IQE [ ] No [ ]
Temp 1 °C Pg of

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Sampler's Signature: [signature] Date: 4/22/15

**Client Sample - Information - Identification**

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OIL=Oil B=Bulk L=Liquid

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07301 | B1 (23-25) | S | 4/22/15 | 1130 | ✓ | ✓ | | | | | | | | | | 3 | 1 | | | | | | | | |
| 07302 | B1GW | GW | 4/22/15 | 1300 | ✓ | | | | | | | | | | | | | | 3 | | | | | | |
| 07303 | B2 (0-2) | S | 4/22/15 | 1140 | ✓ | ✓ | ✓ | ✓ | | | | | | | | | 1 | | | | | | | | |
| * 07304 | B2 (8-10) | S | 4/22/15 | 1145 | ✓ | ✓ | | | | | | | | | | 3 | 1 | | | | | | | | |
| * 07305 | B2 (13-15) | S | 4/22/15 | 1150 | ✓ | ✓ | | | | | | | | | | 3 | 1 | | | | | | | | |
| * 07306 | B2 (18-20) | S | 4/22/15 | 1155 | ✓ | ✓ | | | | | | | | | | 3 | 1 | | | | | | | | |
| 07307 | B2 (23-25) | S | 4/22/15 | 1215 | ✓ | ✓ | | | | | | | | | | 3 | 1 | | | | | | | | |
| 07308 | B2GW | GW | 4/22/15 | 1400 | ✓ | | | | | | | | | | | | | | 3 | | | | | | |

| Relinquished by: | Accepted by: | Date: | Time: |
|---|---|---|---|
| [signature] | [signature] | 4-23-15 | 12:35 |
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**Comments, Special Requirements or Regulations:**

* on hold per chawinie 4/27 [signature]

**Turnaround:**
[ ] 1 Day*
[ ] 2 Days*
[X] 3 Days*
[ ] 5 Days
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[ ] Other
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**NJ**
[ ] Res. Criteria
[ ] Non-Res. Criteria
[ ] Impact to GW Soil Cleanup Criteria
[ ] GW Criteria

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[ ] TAGM 4046 GW
[ ] TAGM 4046 SOIL
[■] NY375 Unrestricted Use Soil
[■] NY375 Residential
[■] Restricted/Residential
[ ] Commercial
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**Data Format**
[ ] Phoenix Std Report
[■] Excel
[■] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] NJ Hazsite EDD
[■] NY EZ EDD (ASP)
[ ] Other

**Data Package**
[ ] NJ Reduced Deliv. *
[■] NY Enhanced (ASP B) *
[ ] Other

State where samples were collected: NY

Pg. 1 of 2

Coolant: IPK ☐ ICE ☐ Cooler: Yes ☐ No ☐ No ☐

Temp °C Pg of

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587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
**Client Services (860) 645-8726**

**Contact Options:**
☐ Fax:
■ Phone: (631) 504-6000
■ Email: Csosik@ebcincny.com

Customer: Environmental Business Consultants
Address: 1808 Middle Country Road
Ridge, New York 11961

Project: 1825 Ocean Ave
Report to: Environmental Business Consultants
Invoice to: Environmental Business Consultants

Project P.O:

***This section MUST be completed with Bottle Quantities.***

**Client Sample - Information - Identification**

Sampler's Signature: [signature] Date: 4/22/15

**Matrix Code:**
DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe
OIL=Oil B=Bulk L=Liquid

Analysis Request

| PHOENIX USE ONLY SAMPLE # | Customer Sample Identification | Sample Matrix | Date Sampled | Time Sampled | VOCs 8260 | SVOCs-8270 CF51 | Pesticides/PCBs | TAL Metals | x | + | + | + | x | + | + | Soil VOA Vials [X] methanol [X] H2O | GL Soil container (8) oz | GL Soil container ( ) oz | 40 ml VOA Vial [ ] HCl | GL Amber 1000ml [ ] As is | PL As is [ ] 250ml | PL H2SO4 [ ] 250ml [ ] 500ml | PL HNO3 250ml | PL NaOH 250ml | Bacteria Bottle |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07290 | B3 (0-2) | S | 4/22/15 | 0915 | | ✓ | ✓ | ✓ | | | | | | | | | | 1 | | | | | | | |
| * 07291 | B3 (13-15) | S | 4/22/15 | 0915 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | |
| 07292 | B4 (0-2) ** | S | 4/22/15 | 0945 | | ✓ | ✓ | ✓ | | | | | | | | | | 1 | | | | | | | |
| * 07293 | B4 (13-15) | S | 4/22/15 | 0945 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | |
| 07294 | B5 (0-2) ** | S | 4/22/15 | 1015 | | ✓ | ✓ | ✓ | | | | | | | | | | 1 | | | | | | | |
| * 07295 | B5 (13-15) | S | 4/22/15 | 1015 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | |
| 07296 | B5 GW | GW | 4/22/15 | 1100 | ✓ | | | | | | | | | | | | | | 3 | | | | | | |
| 07297 | B1 (0-2) | S | 4/22/15 | 1110 | | ✓ | ✓ | ✓ | | | | | | | | | | 1 | | | | | | | |
| * 07298 | B1 (8-10) | S | 4/22/15 | 1115 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | |
| * 07299 | B1 (13-15) | S | 4/22/15 | 1120 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | |
| * 07300 | B1 (18-20) | S | 4/22/15 | 1125 | ✓ | ✓ | | | | | | | | | | | 3 | 1 | | | | | | | |

| Relinquished by: | Accepted by: | Date: | Time: |
|---|---|---|---|
| [signature] | [signature] | 4-23-15 | 12:35 |
| [signature] | [signature] | 4-23-15 | 1645 |

**Comments, Special Requirements or Regulations:**

* on hold per Chawinie 4/27 (LA)

** added on hold @ 10:00 per chawinie (LA)

**Turnaround:**
☐ 1 Day*
☐ 2 Days*
☒ 3 Days*
☐ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

**NJ**
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

**NY**
☐ TAGM 4046 GW
☐ TAGM 4046 SOIL
■ NY375 Unrestricted Use Soil
■ NY375 Residential
■ Restricted/Residential
☐ Commercial
☐ Industrial

**Data Format**
☐ Phoenix Std Report
■ Excel
■ PDF
☐ GIS/Key
☐ EQuIS
☐ NJ Hazsite EDD
■ NY EZ EDD (ASP)
☐ Other

**Data Package**
☐ NJ Reduced Deliv. *
■ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY

Cooler: Yes [ ] No [ ]
Coolant: IPK [ ] IQE [ ] No [ ]
Temp 1 °C Pg of

# PHOENIX Environmental Laboratories, Inc.

## NY/NJ CHAIN OF CUSTODY RECORD

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Sampler's Signature: [signature] Date: 4/22/15

**Client Sample - Information - Identification**

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RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe
OIL=Oil B=Bulk L=Liquid

Analysis Request

| PHOENIX USE ONLY SAMPLE # | Customer Sample Identification | Sample Matrix | Date Sampled | Time Sampled | VOCs 8260 | SVOCs 8270 | Pesticides/PCBs | TAL Metals | x | x | x | x | x | x | x | Soil VOA Vials [X] methanol [X] H2O | GL Soil container ( 8 ) oz | GL Soil container ( ) oz | 40 ml VOA Vial [ ] HCl | GL Amber 1000ml [ ] As Is | PL As is [ ] 250ml | PL H2SO4 [ ] 250ml [ ] 500ml | PL HNO3 250ml | PL NaOH 250ml | Bacteria Bottle |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07301 | B1 (23-25) | S | 4/22/15 | 1130 | ✓ | ✓ | | | | | | | | | | 3 | 1 | | | | | | | | |
| 07302 | B1GW | GW | 4/22/15 | 1300 | ✓ | | | | | | | | | | | | | | 3 | | | | | | |
| 07303 | B2 (0-2) | S | 4/22/15 | 1140 | ✓ | ✓ | ✓ | ✓ | | | | | | | | | 1 | | | | | | | | |
| * 07304 | B2 (8-10) | S | 4/22/15 | 1145 | ✓ | ✓ | | | | | | | | | | 3 | 1 | | | | | | | | |
| * 07305 | B2 (13-15) | S | 4/22/15 | 1150 | ✓ | ✓ | | | | | | | | | | 3 | 1 | | | | | | | | |
| * 07306 | B2 (18-20) | S | 4/22/15 | 1155 | ✓ | ✓ | | | | | | | | | | 3 | 1 | | | | | | | | |
| 07307 | B2 (23-25) | S | 4/22/15 | 1215 | ✓ | ✓ | | | | | | | | | | 3 | 1 | | | | | | | | |
| 07308 | B2GW | GW | 4/22/15 | 1400 | ✓ | | | | | | | | | | | | | | 3 | | | | | | |

| Relinquished by: | Accepted by: | Date: | Time: |
|---|---|---|---|
| [signature] | [signature] | 4-23-15 | 12:35 |
| | [signature] | 4-23-15 | 1645 |

**Comments, Special Requirements or Regulations:**

* on hold per chawinie 4/27 [signature]

**Turnaround:**
[ ] 1 Day*
[ ] 2 Days*
[X] 3 Days*
[ ] 5 Days
[ ] 10 Days
[ ] Other
* SURCHARGE APPLIES

**NJ**
[ ] Res. Criteria
[ ] Non-Res. Criteria
[ ] Impact to GW Soil Cleanup Criteria
[ ] GW Criteria

**NY**
[ ] TAGM 4046 GW
[ ] TAGM 4046 SOIL
[■] NY375 Unrestricted Use Soil
[■] NY375 Residential
[■] Restricted/Residential
[ ] Commercial
[ ] Industrial

**Data Format**
[ ] Phoenix Std Report
[■] Excel
[■] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] NJ Hazsite EDD
[■] NY EZ EDD (ASP)
[ ] Other

**Data Package**
[ ] NJ Reduced Deliv. *
[■] NY Enhanced (ASP B) *
[ ] Other

State where samples were collected: NY