

May 11, 2022

Mr. Charles Stehlik
VP, Entitlement and Construction
GIC Queens LLC
18201 Von Karman Avenue, Suite 1170
Irvine, California 92612

RE: Soil Vapor Intrusion Investigation Summary Report for 40-40 Northern Boulevard, Long Island City, New York

Dear Mr. Stehlik:

At the request of GIC Queens LLC (Client), Roux Environmental Engineering and Geology, D.P.C. (Roux) has prepared this Soil Vapor Intrusion Investigation Summary Report (Report) to summarize the results of the soil vapor intrusion (SVI) investigation completed at the property located at 40-40 Northern Boulevard, Long Island City, NY (Site) on March 8, 2022. The Site location is shown on Figure 1.

The goal of the Scope of Work (SOW), detailed below, was to verify the results and determine the extents of the soil vapor and indoor air impacts noted during the Phase II Environmental Site Assessment and evaluate if the Site's current and former use as an auto repair center and railyard, and proximity to a former gas station are impacting air quality inside the buildings at the Site. The SOW included the following:

- Completion of a Site walk and chemical inventory prior to sampling.
- Installation of nine sub-slab vapor pins (one was near slab located outside the showroom) and collection of nine sub-slab soil vapor samples, nine co-located indoor air samples, one indoor air sample from the office area, and one outdoor ambient air sample.

SVI Investigation Field Work

Site Walk and Chemical Inventory

On March 7, 2022, prior to installation of vapor pins and sample collection, Roux completed a Site walk with the tenant in order to better understand the configuration of the building and coordinate the best locations for vapor pin installation so that the investigation goals were met, but interference with the tenant's business operations was minimal. Additionally, Roux completed a chemical inventory of the Site and noted any chemicals or products used or stored in the building or on the property that could affect sub-slab soil vapor and/or indoor air results.

Sub-Slab Soil Vapor and Air Sampling

On March 8, 2022, Roux completed SVI investigation activities at the Site. All sample locations are shown on Figure 2. Nine sub-slab pins were installed throughout the buildings, and sub-slab soil vapor samples were collected from the sub-slab pins, with co-located indoor air samples adjacent to each sub-slab monitoring point. It should be noted that for the showroom area, the sampling pin was installed outside the building to avoid drilling into the floor. During sub-slab soil vapor pin (sub-slab pin) installations, an approximate one-inch diameter hole was drilled through the concrete slab. The sub-slab pins were installed within the hole. The integrity of the sub-slab pins' seal was tested via a tracer gas (i.e., helium) test to ensure ambient air could not infiltrate the sub-slab pins and dilute the samples during sample collection at each location. Following installation, a soil vapor sample was collected from

the sub-slab pins. Additionally, indoor air samples were co-located adjacent to each of the sub-slab pin locations, and one indoor air sample was collected in the office area as shown. One outdoor ambient air sample was collected outdoors of the Site.

All sub-slab vapor and air samples were collected over a two-hour period using laboratory-supplied Summa canisters and flow controls. All sub-slab soil vapor and air samples were submitted to a New York State Department of Health Environmental Laboratory Approval Program-certified laboratory under chain-of-custody procedures. All sub-slab soil vapor and air samples were analyzed for volatile organic compounds (VOCs) using United States Environmental Protection Agency (USEPA) Method TO-15, on a standard 5-day turnaround time for sample results.

SVI Investigation Results

On March 7, 2022, Roux took inventory of materials on site, including any chemicals or products stored in the building or on the property. Chemicals noted on Site comprised products used for auto cleaning and repair, including lubricants, windshield washer fluids, power steering fluids, motor oils, air fresheners, brake parts cleaners, brake fluids, radiator fluids, grease, glass cleaners, car soaps, car waxes and polishes, leather conditioners and cleaners, and auto antifreeze coolants, among others. A complete chemical inventory is included in Table 2.

On March 8, 2022, during SVI investigation activities, a total of nine sub-slab soil vapor samples, ten indoor air samples, and one outdoor ambient air sample were collected at the Site. All sample locations are shown in Figure 2. Soil vapor/indoor air sampling forms are provided in Attachment 2. The sub-slab soil vapor, indoor air, and outdoor ambient air sample results are provided in Table 1. The laboratory analytical reports are provided in Attachment 2. In addition, sample data is summarized in Figure 3.

Based on the SVI investigation results, petroleum-related compounds, i.e., benzene, toluene, ethylbenzene and/or xylenes, and chlorinated volatile organic compounds (CVOCs), i.e., tetrachloroethene (PCE), trichloroethene (TCE), carbon tetrachloride, 1,1,1-trichloroethane (TCA), methylene chloride, and/or vinyl chloride were detected in sub-slab and indoor air samples.

New York State Department of Health (NYSDOH) provides Soil Vapor/Indoor Air Decision Matrices for select CVOCs as a guidance for evaluating soil vapor intrusion in their Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (dated October 2016 with updates in May 2017). When compared to the three matrices, all results indicated a recommendation of “no further action” with the exception of one co-location of sub-slab vapor and indoor air, SV011/IA011. The result of 127 $\mu\text{g}/\text{m}^3$ for TCE places SV011/IA011 under a recommendation of “mitigate”, even though TCE was not detected in the indoor air sample. There are no decision matrices for petroleum-related compounds.

Conclusions and Recommendations

Petroleum-related compounds and CVOCs detected in indoor air and soil vapor throughout the Site are attributed to the Site’s current and former use as an auto repair center and railyard, and proximity to a former gas station. The results indicate that no NYSDOH indoor air guidance values were exceeded and that vapor intrusion from below the slab of the building is not occurring. As a precaution, we recommend installing two portable air purifier units in the southwest portion of the building where the sub-slab concentration of TCE was elevated. These units can be plugged into a standard outlet and should run continuously. The elevated TCE concentration in sub-slab vapor at SV011 will be investigated and mitigated during future Site redevelopment/remediation activities. Any additional investigation/remediation will be completed once the Site enters the NYSDEC Brownfield Cleanup Program (BCP).

Mr. Charles Stehlik
May 11, 2022
Page 3

Should you have any questions or require further information regarding this Report, do not hesitate to contact Noelle Clarke or Joseph Duminuco by telephone at (631) 232-2600 or by email at nclarke@rouxinc.com or jduminuco@rouxinc.com.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

Emily Butler
Project Geologist

Noelle Clarke, P.E.
Principal Engineer

Joseph Duminuco, P.G.
Principal Hydrogeologist/Executive Vice President

Soil Vapor Intrusion Investigation Summary Report
40-40 Northern Boulevard, Long Island City, New York

TABLES

1. Summary of Volatile Organic Compounds in Soil Vapor
2. Chemical Inventory

Notes Utilized Throughout Tables

Soil Vapor/Ambient Air

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

ug/m3 - Micrograms per cubic meter

Bold data indicates that parameter was detected

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

Sample Designation:		IA003	IA004	IA005	IA006	IA007	IA008	IA009	IA010	IA011
Sample Date:		03/08/2022	03/08/2022	03/08/2022	03/08/2022	03/08/2022	03/08/2022	03/08/2022	03/08/2022	03/08/2022
Parameter	Units									
1,1,1-Trichloroethane (TCA)	UG/M3	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U
1,1,2,2-Tetrachloroethane	UG/M3	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/M3	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U
1,1,2-Trichloroethane	UG/M3	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U
1,1-Dichloroethane	UG/M3	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,1-Dichloroethene	UG/M3	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U
1,2,4-Trichlorobenzene	UG/M3	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U
1,2,4-Trimethylbenzene	UG/M3	12.5	2.5	57	48.8	68.3	21.9	5.06	20.8	50.6
1,2-Dibromoethane (Ethylene Dibromide)	UG/M3	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U
1,2-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	UG/M3	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,2-Dichloropropane	UG/M3	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U
1,2-Dichlorotetrafluoroethane	UG/M3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	3.38	0.983 U	15	12.7	17.9	5.85	1.26	5.46	12.9
1,3-Butadiene	UG/M3	0.442 U	0.442 U	0.442 U	0.577	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U
1,3-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane (P-Dioxane)	UG/M3	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
2,2,4-Trimethylpentane	UG/M3	19.9	2.29	59.3	52.3	72.4	25.1	5.18	23.8	50.9
2-Hexanone	UG/M3	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
4-Ethyltoluene	UG/M3	3.29	0.983 U	13.5	10.2	12.4	4.29	1.17	4.35	11
Acetone	UG/M3	88.6	29	187	196	240	158	48.9	125	184
Allyl Chloride (3-Chloropropene)	UG/M3	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U
Benzene	UG/M3	6.77	1.09	16.1	17.3	20.4	7.73	1.84	6.87	13.5
Benzyl Chloride	UG/M3	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U
Bromodichloromethane	UG/M3	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U
Bromoform	UG/M3	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U
Bromomethane	UG/M3	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U
Carbon Disulfide	UG/M3	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U
Carbon Tetrachloride	UG/M3	0.459	0.465	0.51	0.478	0.459	0.447	0.428	0.51	0.472
Chlorobenzene	UG/M3	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U
Chloroethane	UG/M3	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U
Chloroform	UG/M3	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U
Chloromethane	UG/M3	1.26	1.26	1.32	1.3	1.25	1.24	1.28	1.26	1.28
Cis-1,2-Dichloroethylene	UG/M3	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U
Cis-1,3-Dichloropropene	UG/M3	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
Cyclohexane	UG/M3	7.19	0.774	19.5	18.9	25.2	9.57	1.91	7.99	16.1
Dibromochloromethane	UG/M3	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U

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

Sample Designation:		IA003	IA004	IA005	IA006	IA007	IA008	IA009	IA010	IA011
Sample Date:		03/08/2022	03/08/2022	03/08/2022	03/08/2022	03/08/2022	03/08/2022	03/08/2022	03/08/2022	03/08/2022
Parameter	Units									
Dichlorodifluoromethane	UG/M3	2.45	2.44	2.42	2.48	2.37	2.4	2.48	2.46	2.49
Ethanol	UG/M3	469	30.1	234	194	239	124	52.2	119	196
Ethyl Acetate	UG/M3	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Ethylbenzene	UG/M3	9.47	1.46	29.9	28.1	38.2	20.7	2.86	12.3	25.9
Hexachlorobutadiene	UG/M3	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U
Isopropanol	UG/M3	43.3	5.83	124	201	136	715	12.1	51.6	94.9
m,p-Xylene	UG/M3	35	5.47	112	105	143	82.1	10.8	46	96.4
Methyl Ethyl Ketone (2-Butanone)	UG/M3	1.47 U	1.47 U	1.72	1.52	1.97	1.97	1.47 U	2.86	1.47 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	2.05 U	2.05 U	4.92	5.74	6.07	4.05	2.05 U	2.11	3.85
Methylene Chloride	UG/M3	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U
N-Heptane	UG/M3	17.3	1.91	47.1	47.9	61.1	28.9	4.39	19.5	38.5
N-Hexane	UG/M3	20.5	1.92	55.7	54.6	73.7	27.7	4.44	22.8	46.2
O-Xylene (1,2-Dimethylbenzene)	UG/M3	13.5	2.15	45.2	41.5	57.3	29.4	4.2	18.2	38.8
Styrene	UG/M3	0.852 U	0.852 U	1.61	1.01	1.31	0.852 U	0.852 U	0.852 U	1.78
Tert-Butyl Alcohol	UG/M3	1.52 U	1.52 U	1.52 U	1.52 U	1.52 U	1.52 U	1.52 U	1.52 U	1.52 U
Tert-Butyl Methyl Ether	UG/M3	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
Tetrachloroethylene (PCE)	UG/M3	0.312	0.136 U	0.332	0.244	0.271	0.176	0.217	0.176	0.237
Tetrahydrofuran	UG/M3	122	2.86	16.8	13.4	2.76	18.6	1.47 U	4.16	5.4
Toluene	UG/M3	52	9.8	155	168	184	194	18.6	62.6	132
Trans-1,2-Dichloroethene	UG/M3	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U
Trans-1,3-Dichloropropene	UG/M3	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
Trichloroethylene (TCE)	UG/M3	0.107 U	0.107 U	0.107 U	0.107 U	0.107 U	0.107 U	0.107 U	0.107 U	0.107 U
Trichlorofluoromethane	UG/M3	1.31	1.12	1.14	1.12 U	1.12 U	1.14	1.17	1.2	1.14
Vinyl Bromide	UG/M3	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U
Vinyl Chloride	UG/M3	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U

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

Sample Designation:		IA012	OA001	SV003	SV004	SV005	SV006	SV007	SV008	SV009
Sample Date:		03/08/2022	03/08/2022	03/08/2022	03/08/2022	03/08/2022	03/08/2022	03/08/2022	03/08/2022	03/08/2022
Parameter	Units									
1,1,1-Trichloroethane (TCA)	UG/M3	0.109 U	0.109 U	1.09 U	1.26 U	16.1	15.9	135	1.24 U	11.3
1,1,2,2-Tetrachloroethane	UG/M3	1.37 U	1.37 U	1.37 U	1.59 U	1.37 U	1.37 U	1.37 U	1.56 U	1.37 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/M3	1.53 U	1.53 U	1.53 U	1.77 U	1.53 U	1.53 U	1.53 U	1.74 U	1.53 U
1,1,2-Trichloroethane	UG/M3	1.09 U	1.09 U	1.09 U	1.26 U	1.09 U	1.09 U	1.09 U	1.24 U	1.09 U
1,1-Dichloroethane	UG/M3	0.809 U	0.809 U	0.809 U	0.935 U	0.809 U	0.809 U	0.809 U	0.919 U	0.809 U
1,1-Dichloroethene	UG/M3	0.079 U	0.079 U	0.793 U	0.916 U	0.793 U	0.793 U	0.793 U	0.9 U	0.793 U
1,2,4-Trichlorobenzene	UG/M3	1.48 U	1.48 U	1.48 U	1.71 U	1.48 U	1.48 U	1.48 U	1.69 U	1.48 U
1,2,4-Trimethylbenzene	UG/M3	10.8	0.983 U	0.983 U	1.14 U	1.22	1.23	2.25	1.6	0.983 U
1,2-Dibromoethane (Ethylene Dibromide)	UG/M3	1.54 U	1.54 U	1.54 U	1.78 U	1.54 U	1.54 U	1.54 U	1.74 U	1.54 U
1,2-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.39 U	1.2 U	1.2 U	1.27	1.36 U	1.2 U
1,2-Dichloroethane	UG/M3	0.809 U	0.809 U	0.809 U	0.935 U	0.809 U	0.809 U	0.809 U	0.919 U	0.809 U
1,2-Dichloropropane	UG/M3	0.924 U	0.924 U	0.924 U	1.07 U	0.924 U	0.924 U	0.924 U	1.05 U	0.924 U
1,2-Dichlorotetrafluoroethane	UG/M3	1.4 U	1.4 U	1.4 U	1.61 U	1.4 U	1.4 U	1.4 U	1.59 U	1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	2.88	0.983 U	0.983 U	1.14 U	0.983 U	0.983 U	0.983 U	1.12 U	0.983 U
1,3-Butadiene	UG/M3	0.442 U	0.442 U	0.96	0.511 U	0.442 U	3.63	0.706	3.65	0.442 U
1,3-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.39 U	1.2 U	1.2 U	1.2 U	1.36 U	1.2 U
1,4-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.39 U	1.2 U	1.2 U	1.2 U	1.36 U	1.2 U
1,4-Dioxane (P-Dioxane)	UG/M3	0.721 U	0.721 U	0.721 U	0.832 U	5.84	3.01	0.721 U	0.818 U	2.67
2,2,4-Trimethylpentane	UG/M3	19	0.934 U	1.98	2.25	2.28	1.57	3.27	1.55	0.934 U
2-Hexanone	UG/M3	0.82 U	0.82 U	0.82 U	1.07	1.11	0.988	1.75	0.93 U	0.82 U
4-Ethyltoluene	UG/M3	2.7	0.983 U	0.983 U	1.14 U	0.983 U	0.983 U	0.983 U	1.12 U	0.983 U
Acetone	UG/M3	164	5.94	69.1	111	736	182	112	149	204
Allyl Chloride (3-Chloropropene)	UG/M3	0.626 U	0.626 U	0.626 U	0.723 U	0.626 U	0.626 U	0.626 U	0.711 U	0.626 U
Benzene	UG/M3	6.64	0.655	1.7	5.81	3.9	5.3	2.97	5.05	0.824
Benzyl Chloride	UG/M3	1.04 U	1.04 U	1.04 U	1.2 U	1.04 U	1.04 U	1.04 U	1.18 U	1.04 U
Bromodichloromethane	UG/M3	1.34 U	1.34 U	1.34 U	1.55 U	1.34 U	1.34 U	1.34 U	1.52 U	1.34 U
Bromoform	UG/M3	2.07 U	2.07 U	2.07 U	2.39 U	2.07 U	2.07 U	2.07 U	2.35 U	2.07 U
Bromomethane	UG/M3	0.777 U	0.777 U	0.777 U	0.897 U	0.777 U	0.777 U	0.777 U	0.881 U	0.777 U
Carbon Disulfide	UG/M3	0.623 U	0.623 U	1.02	1.48	4.89	12.7	3.58	33.3	1.56
Carbon Tetrachloride	UG/M3	0.453	0.497	1.26 U	1.45 U	1.26 U	1.26 U	1.26 U	1.43 U	1.26 U
Chlorobenzene	UG/M3	0.921 U	0.921 U	0.921 U	1.06 U	0.921 U	0.921 U	0.921 U	1.05 U	0.921 U
Chloroethane	UG/M3	0.528 U	0.528 U	0.528 U	0.61 U	0.528 U	0.528 U	0.528 U	0.599 U	0.528 U
Chloroform	UG/M3	0.977 U	0.977 U	1.2	1.13 U	0.977 U	0.977 U	0.977 U	1.14	1.2
Chloromethane	UG/M3	1.28	1.24	0.413 U	0.477 U	0.434	0.413 U	0.413 U	0.469 U	0.413 U
Cis-1,2-Dichloroethylene	UG/M3	0.079 U	0.079 U	0.793 U	0.916 U	0.793 U	0.793 U	0.793 U	0.9 U	0.793 U
Cis-1,3-Dichloropropene	UG/M3	0.908 U	0.908 U	0.908 U	1.05 U	0.908 U	0.908 U	0.908 U	1.03 U	0.908 U
Cyclohexane	UG/M3	6.92	0.688 U	2.76	5.34	3.13	2.72	3.27	14.2	1.27
Dibromochloromethane	UG/M3	1.7 U	1.7 U	1.7 U	1.97 U	1.7 U	1.7 U	1.7 U	1.93 U	1.7 U

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

Sample Designation:		IA012	OA001	SV003	SV004	SV005	SV006	SV007	SV008	SV009
Sample Date:		03/08/2022	03/08/2022	03/08/2022	03/08/2022	03/08/2022	03/08/2022	03/08/2022	03/08/2022	03/08/2022
Parameter	Units									
Dichlorodifluoromethane	UG/M3	2.48	2.35	2.42	2.74	2.78	8.55	3.43	2.44	2.42
Ethanol	UG/M3	332	9.42 U	268	275	326	366	264	354	103
Ethyl Acetate	UG/M3	1.8 U	1.8 U	5.19	5.3	4.76	1.92	8.72	6.63	1.92
Ethylbenzene	UG/M3	8.69	0.869 U	12.9	28.5	23.9	32.2	58.6	21.2	17.1
Hexachlorobutadiene	UG/M3	2.13 U	2.13 U	2.13 U	2.46 U	2.13 U	2.13 U	2.13 U	2.42 U	2.13 U
Isopropanol	UG/M3	76.2	1.45	11.5	16.8	158	43	23.7	52.6	19.7
m,p-Xylene	UG/M3	31.8	1.74 U	12.3	24.5	22.8	26.8	47.3	24.1	16.2
Methyl Ethyl Ketone (2-Butanone)	UG/M3	2.01	1.47 U	4.63	2.75	7.34	9.97	5.13	6.72	3.95
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	2.05 U	2.05 U	2.05 U	2.37 U	2.05 U	2.05 U	2.05 U	2.33 U	2.05 U
Methylene Chloride	UG/M3	1.74 U	1.74 U	1.74 U	2.13	4.2	2.66	1.74 U	1.97 U	2.95
N-Heptane	UG/M3	17.2	0.82 U	3.14	2.65	2.52	2.6	3.78	2.46	1.45
N-Hexane	UG/M3	20.3	0.705 U	7.12	8.67	3.74	3.67	5.5	3.77	1.48
O-Xylene (1,2-Dimethylbenzene)	UG/M3	12.1	0.869 U	5.86	12.8	11.5	14.6	25.2	11.5	8.08
Styrene	UG/M3	0.852 U	0.852 U	0.852 U	0.984	0.881	1.19	1.92	1.16	0.852 U
Tert-Butyl Alcohol	UG/M3	1.52 U	1.52 U	3.82	4.49	13.7	6.15	5.12	5.61	10.5
Tert-Butyl Methyl Ether	UG/M3	0.721 U	0.721 U	0.721 U	0.833 U	0.721 U	0.721 U	0.721 U	0.818 U	0.721 U
Tetrachloroethylene (PCE)	UG/M3	0.237	0.136 U	3.44	1.57 U	34.8	275	209	1.97	5.03
Tetrahydrofuran	UG/M3	33.9	14.9	7.76	3.57	17	9	5.37	21.6	1.47 U
Toluene	UG/M3	55.8	1.99	29.1	64.8	53.9	69.7	128	54.3	35.3
Trans-1,2-Dichloroethene	UG/M3	0.793 U	0.793 U	0.793 U	0.916 U	0.793 U	0.793 U	0.793 U	0.9 U	0.793 U
Trans-1,3-Dichloropropene	UG/M3	0.908 U	0.908 U	0.908 U	1.05 U	0.908 U	0.908 U	0.908 U	1.03 U	0.908 U
Trichloroethylene (TCE)	UG/M3	0.107 U	0.107 U	1.07 U	1.24 U	7.52	1.07 U	5.48	3.58	1.07 U
Trichlorofluoromethane	UG/M3	1.21	1.12 U	5.05	10.8	1.12 U	22.4	2.42	1.45	1.17
Vinyl Bromide	UG/M3	0.874 U	0.874 U	0.874 U	1.01 U	0.874 U	0.874 U	0.874 U	0.992 U	0.874 U
Vinyl Chloride	UG/M3	0.051 U	0.051 U	0.511 U	0.59 U	0.511 U	0.511 U	0.511	0.58 U	0.511 U

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

Sample Designation:		SV010	SV011
Sample Date:		03/08/2022	03/08/2022
Parameter	Units		
1,1,1-Trichloroethane (TCA)	UG/M3	2.94	50.7
1,1,2,2-Tetrachloroethane	UG/M3	1.37 U	1.96 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/M3	1.53 U	2.19 U
1,1,2-Trichloroethane	UG/M3	1.09 U	1.56 U
1,1-Dichloroethane	UG/M3	0.809 U	1.16 U
1,1-Dichloroethene	UG/M3	0.793 U	1.13 U
1,2,4-Trichlorobenzene	UG/M3	1.48 U	2.12 U
1,2,4-Trimethylbenzene	UG/M3	2.26	2.03
1,2-Dibromoethane (Ethylene Dibromide)	UG/M3	1.54 U	2.2 U
1,2-Dichlorobenzene	UG/M3	1.2 U	1.72 U
1,2-Dichloroethane	UG/M3	0.809 U	1.16 U
1,2-Dichloropropane	UG/M3	0.924 U	1.32 U
1,2-Dichlorotetrafluoroethane	UG/M3	1.4 U	2 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	0.983 U	1.41 U
1,3-Butadiene	UG/M3	0.511	0.633 U
1,3-Dichlorobenzene	UG/M3	1.2 U	1.72 U
1,4-Dichlorobenzene	UG/M3	1.2 U	1.72 U
1,4-Dioxane (P-Dioxane)	UG/M3	0.728	30.8
2,2,4-Trimethylpentane	UG/M3	1.58	2.48
2-Hexanone	UG/M3	0.82 U	1.44
4-Ethyltoluene	UG/M3	0.983 U	1.41 U
Acetone	UG/M3	126	1400
Allyl Chloride (3-Chloropropene)	UG/M3	0.626 U	0.895 U
Benzene	UG/M3	2.52	20.9
Benzyl Chloride	UG/M3	1.04 U	1.48 U
Bromodichloromethane	UG/M3	1.34 U	1.92 U
Bromoform	UG/M3	2.07 U	2.96 U
Bromomethane	UG/M3	0.777 U	1.11 U
Carbon Disulfide	UG/M3	2.89	23.9
Carbon Tetrachloride	UG/M3	1.26 U	1.8 U
Chlorobenzene	UG/M3	0.921 U	1.32 U
Chloroethane	UG/M3	0.528 U	0.755 U
Chloroform	UG/M3	0.977 U	1.4 U
Chloromethane	UG/M3	0.413 U	0.591 U
Cis-1,2-Dichloroethylene	UG/M3	0.793 U	1.13 U
Cis-1,3-Dichloropropene	UG/M3	0.908 U	1.3 U
Cyclohexane	UG/M3	4.78	10.5
Dibromochloromethane	UG/M3	1.7 U	2.44 U

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

Sample Designation:		SV010	SV011
Sample Date:		03/08/2022	03/08/2022
Parameter	Units		
Dichlorodifluoromethane	UG/M3	2.56	3.35
Ethanol	UG/M3	228	2340
Ethyl Acetate	UG/M3	3.02	2.57 U
Ethylbenzene	UG/M3	25.6	22
Hexachlorobutadiene	UG/M3	2.13 U	3.05 U
Isopropanol	UG/M3	17.1	344
m,p-Xylene	UG/M3	25.2	24.1
Methyl Ethyl Ketone (2-Butanone)	UG/M3	6.87	25.2
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	2.05 U	7.38
Methylene Chloride	UG/M3	1.74 U	2.79
N-Heptane	UG/M3	2.52	4.14
N-Hexane	UG/M3	2.59	6.48
O-Xylene (1,2-Dimethylbenzene)	UG/M3	12.5	11.3
Styrene	UG/M3	1.17	1.22 U
Tert-Butyl Alcohol	UG/M3	4.15	27.2
Tert-Butyl Methyl Ether	UG/M3	0.721 U	1.03 U
Tetrachloroethylene (PCE)	UG/M3	12.7	10.4
Tetrahydrofuran	UG/M3	9.91	2.11 U
Toluene	UG/M3	55.8	58
Trans-1,2-Dichloroethene	UG/M3	0.793 U	1.13 U
Trans-1,3-Dichloropropene	UG/M3	0.908 U	1.3 U
Trichloroethylene (TCE)	UG/M3	1.14	128
Trichlorofluoromethane	UG/M3	1.15	1.61 U
Vinyl Bromide	UG/M3	0.874 U	1.25 U
Vinyl Chloride	UG/M3	0.511 U	0.731 U

Table 2. Chemical Inventory, 40-40 Northern Boulevard, Long Island City, NY

Location	Product Description	Size	Condition*
Lower shop level	Johnsen's® Silicone Lubricant®	10 oz, multiple bottles	U
Lower shop level	Bernzomatic® Propane	14 oz, multiple bottles	U
Lower shop level	Krylon® Rust Tough Enamel	12 oz, multiple bottles	U
Lower shop level	TCA Glass Cleaner	18 oz, multiple bottles	U
Lower shop level	Red Line® MT-85 Gear Oil	1 qt, multiple bottles	U
Lower shop level	Valvoline™ DOT3 Brake Fluid	1 qt, multiple bottles	UO
Lower shop level	Lexus SAE OW-16 Synthetic Motor Oil	1 qt, multiple bottles	UO
Lower shop level	Valvoline™ All Season A/C Foam		UO
Lower shop level	Evaporator Cleaner	11 oz, multiple bottles	U
Lower shop level	Napa® 20W-5 Motor Oil	1 qt, multiple bottles	UO
Lower shop level	Napa® 80W-90 Gear Oil	1 qt, multiple bottles	UO
Lower shop level	Valvoline™ Throttle Body Cleaner	11 oz, multiple bottles	UO
Lower shop level	Car Brite™ Cherry Bomber	5 gallons, multiple	U
Lower shop level	Concentrated Car Soap	containers	U
Lower shop level	Pennzoil® fix a flat inflator and sealer	18 oz, multiple bottles	U
Lower shop level	Cumberland Lacquer Thinner	5 gallons	U
Lower shop level	Car Brite™ Cutting Glaze Oxidation and Swirl Mark Remover	1 gallon, multiple bottles	U
Lower shop level	Car Brite™ Surface Clarifier	1 gallon, multiple bottles	U
Lower shop level	Car Brite™ Nanowax Spray	1 gallon, multiple bottles	U
Lower shop level	Car Brite™ Sleek Dark Paint Oxidation and Swirl Remover	1 gallon, multiple bottles	U
Lower shop level	Home Store Heavy Duty BBQ Grill Cleaner	11 oz	U
Lower shop level	Johnsen's® Power Steering Fluid	12 oz, multiple bottles	U
Lower shop level	3M Machine Polish		U
Lower shop level	Rust-oleum High Performance Enamel Spray Paint	15 oz	U
Lower shop level	Car Brite™ Quick Kote High Gloss Aerosol Interior and Exterior Coating	12 oz	U
Lower shop level	Car Brite™ Fast Wax	1 gallon, multiple bottles	U
Lower shop level	Car Brite™ Laser Brite VOC Compliant Fortified Polish	1 gallon, multiple bottles	U
Lower shop level	Car Brite™ Leather Cleaner and Conditioner	1 gallon, multiple bottles	U
Lower shop level	Car Brite™ Ultimate WB High Gloss Dressing	1 gallon, multiple bottles	U
Lower shop level	Car Brite™ Glass Cleaner Concentrate	1 gallon, multiple bottles	U

*UO = unopened, U = used, D - deteriorated

Table 2. Chemical Inventory, 40-40 Northern Boulevard, Long Island City, NY

Lower shop level	Car Brite™ Wipe & Shine	1 gallon, multiple bottles	UO
Lower shop level	Car Brite™ Butter Wax Liquid Wax	1 gallon, multiple bottles	U
Lower shop level	XtendLife® Antifreeze/Coolant	1 gallon, multiple bottles	U
Lower shop level	WD-40®	11 oz	U
Lower shop level	Dupli-Color® Perfect Match Premium Automotive Paint	8 oz	U
Lower shop level	Car Brite™ Black Pearl Ceramic SiO2 Speed Spray	16.9 oz	U
Lower shop level	Dupli-Color® Auto Spray	5 oz	U
Lower shop level	Napa® Green 50/50 Prediluted Antifreeze & Coolant	1 gallon	U
Lower shop level	Toyota/Lexus 50/50 Prediluted Super Long Life Antifreeze/Coolant	1 gallon, multiple bottles	U
Lower shop level	Stoner Invisible Glass Residue Free Glass Cleaner	19 oz	U
Lower shop level	2+2® Windshield Washer Concentrate	16 oz, multiple bottles	UO
Lower shop level	Napa® Mac's Silicone Spray	8 oz	U
Lower shop level	Valvoline Express Smoke-Free Intake Cleaner	8 oz	UO
Lower shop level	Lucas® Heavy Duty Air Tool Lubricant	16 oz, multiple bottles	U
Lower shop level	Napa® Tire Bead Sealer	32 oz	U
Lower shop level	Toyota Differential Gear Oil LT	1 L, multiple bottles	UO
Lower shop level	Napa® Premium AW-22 Hydraulic Oil	5 gallons	U
Lower shop level	Toyota Suspension Fluid AHC	2.5 L, multiple bottles	UO
Lower shop level	Blaster PB Penetrating Catalyst	11 oz, multiple bottles	U
not observed	Pyroil™ Multi-Purpose Silicone Lubricant	not observed in shop, but SDS provided	
not observed	Pyroil™ Power Steering Fluid	not observed in shop, but SDS provided	
not observed	Pyroil™ Penetrating Oil	not seen in shop, but SDS provided	
not observed	Valvoline™ All Season Heater & Air Conditioner Odor Eliminator	not seen in shop, but SDS provided	
not observed	Valvoline™ Brake Parts Cleaner	not seen in shop, but SDS provided	
not observed	Valvoline™ Super Concentrated Fuel Injector Cleaner	not seen in shop, but SDS provided	
not observed	Valvoline™ VPS Fuel Rail Cleaner	not seen in shop, but SDS provided	

*UO = unopened, U = used, D - deteriorated

Table 2. Chemical Inventory, 40-40 Northern Boulevard, Long Island City, NY

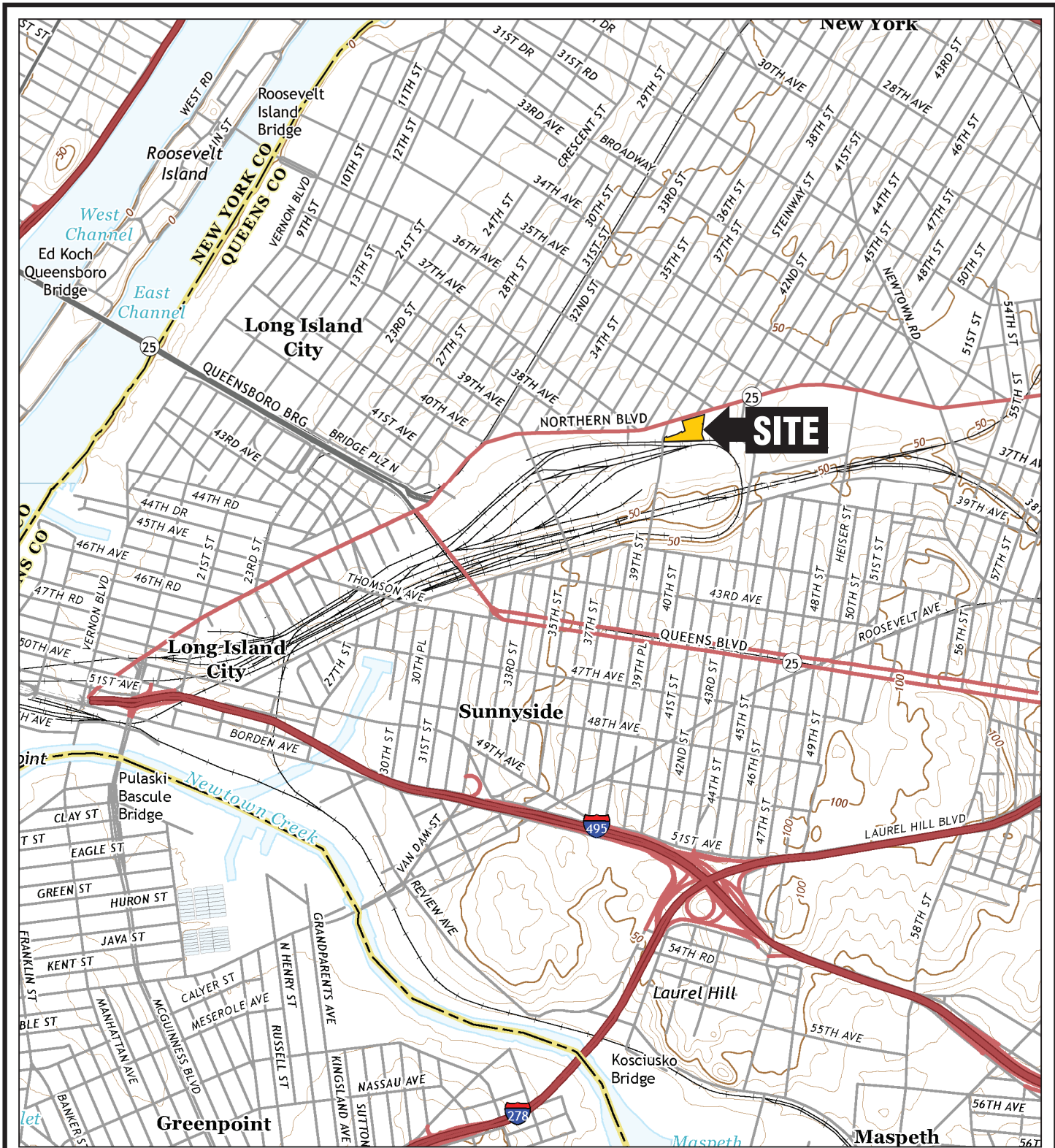
not observed	Valvoline™ Power Steering Cleaner	not seen in shop, but SDS provided
not observed	Valvoline™ Radiator Protector Service Chemical Pack	not seen in shop, but SDS provided
not observed	Pyroil™ Carb & Choke Cleaner	not seen in shop, but SDS provided
not observed	Pyroil™ Low VOC Non-Chlr Brake Parts Cleaner	not seen in shop, but SDS provided
not observed	White grease	not seen in shop, but SDS provided
not observed	Valvoline™ Fuel Rail & Throttle Body Cleaner	not seen in shop, but SDS provided
not observed	Valvoline™ Intake Cleaner	not seen in shop, but SDS provided

*UO = unopened, U = used, D - deteriorated

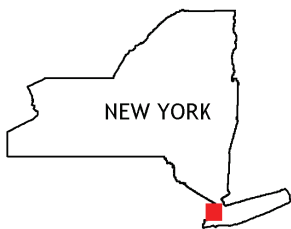
Soil Vapor Intrusion Investigation Summary Report
40-40 Northern Boulevard, Long Island City, New York

FIGURES

1. Site Location Map
2. Site Plan
3. VOC Detections in Soil Vapor



QUADRANGLE LOCATION



SOURCE:
USGS; Brooklyn, NY (2019)
and Central Park, NY, NJ (2019)
7.5-Minute Topographic Quadrangles



Title:

SITE LOCATION MAP

40-40 NORTHERN BOULEVARD
LONG ISLAND CITY, NEW YORK

Prepared for:

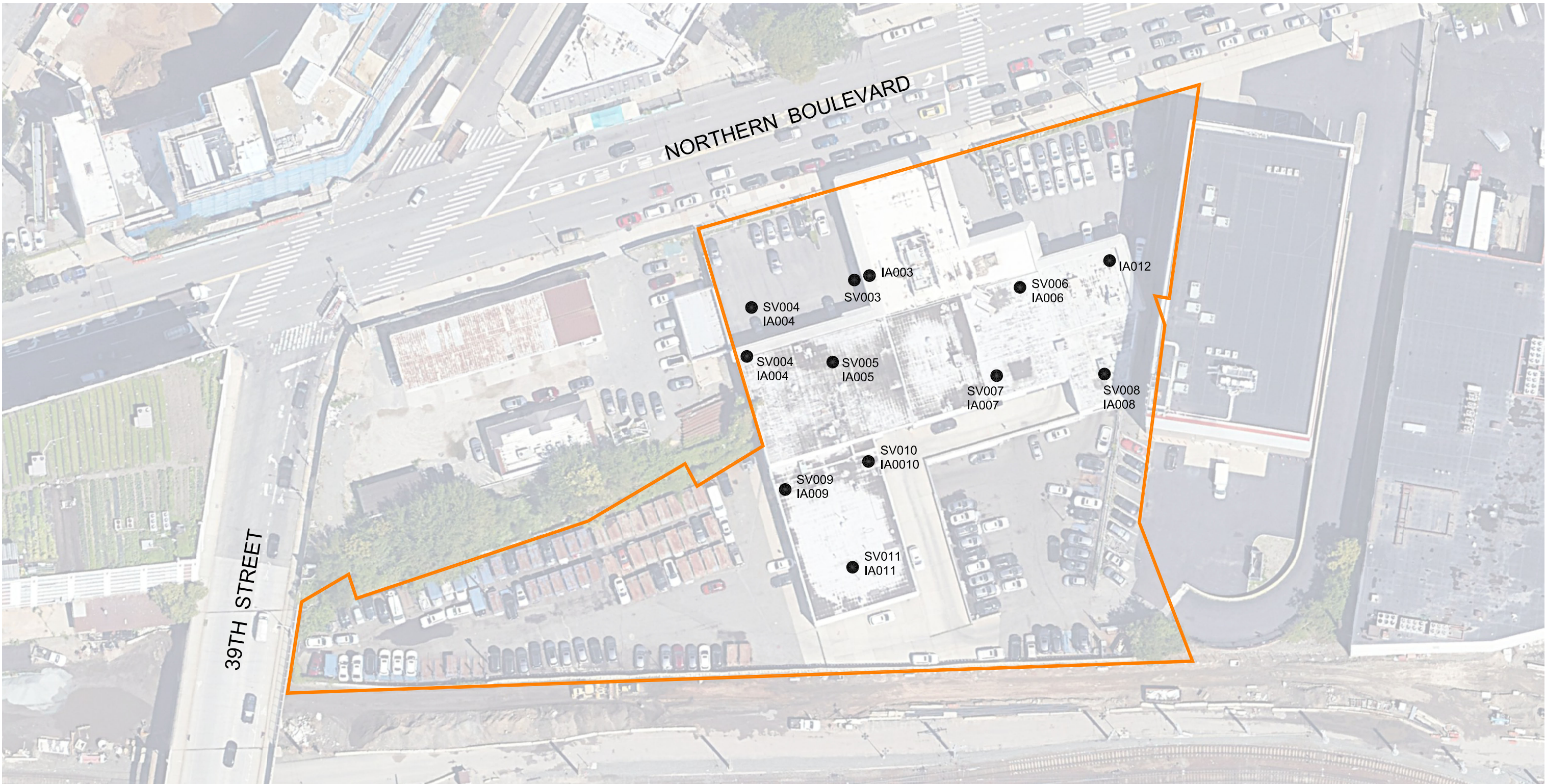
GIC QUEENS LLC



Compiled by: E.B.	Date: 27APR22
Prepared by: B.H.C.	Scale: AS SHOWN
Project Mgr: E.B.	Project: 3883.0001Y000
File: 3883.0001Y102.02.CDR	

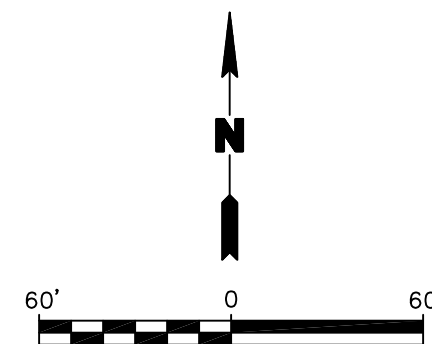
FIGURE

1



LEGEND

- SITE BOUNDARY
- SAMPLE LOCATION
- SV009 SOIL VAPOR SAMPLE DESIGNATION
- IA009 INDOOR AIR SAMPLE DESIGNATION



<p>Title:</p> <h2 style="margin: 0;">SITE PLAN</h2> <p style="margin: 0;">40-40 NORTYHERN BOULEVARD LONG ISLAND CITY, NEW YORK</p>										
<p>Prepared for:</p> <p style="margin: 0;">GIC QUEENS LLC</p>										
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: 8px;">Compiled by: E.B.</td> <td style="font-size: 8px;">Date: 5/10/2022</td> </tr> <tr> <td style="font-size: 8px;">Prepared by: B.H.C.</td> <td style="font-size: 8px;">Scale: AS SHOWN</td> </tr> <tr> <td style="font-size: 8px;">Project Mgr: E.B.</td> <td style="font-size: 8px;">Project: 3883.0001Y000</td> </tr> <tr> <td style="font-size: 8px;">File: 3883.0001Y102.01.DWG</td> <td></td> </tr> </table>	Compiled by: E.B.	Date: 5/10/2022	Prepared by: B.H.C.	Scale: AS SHOWN	Project Mgr: E.B.	Project: 3883.0001Y000	File: 3883.0001Y102.01.DWG		<p>FIGURE</p> <h1 style="margin: 0;">2</h1>
Compiled by: E.B.	Date: 5/10/2022									
Prepared by: B.H.C.	Scale: AS SHOWN									
Project Mgr: E.B.	Project: 3883.0001Y000									
File: 3883.0001Y102.01.DWG										

SV005		IA005	
03/08/2022		03/08/2022	
VOCs			
1,1,1-Trichloroethane (TCA)	16.1	1,2,4-Trimethylbenzene	57
1,2,4-Trimethylbenzene	1.22	1,3,5-Trimethylbenzene (Mesitylene)	15
1,4-Dioxane (P-Dioxane)	5.84	2,2,4-Trimethylpentane	59.3
2,2,4-Trimethylpentane	2.28	4-Ethyltoluene	13.5
2-Hexanone	1.11	Acetone	187
Acetone	736	Benzene	16.1
Benzene	3.9	Carbon Tetrachloride	0.51
Carbon Disulfide	4.89	Chloromethane	1.32
Chloromethane	0.434	Cyclohexane	19.5
Cyclohexane	3.13	Dichlorodifluoromethane	2.42
Dichlorodifluoromethane	2.78	Ethanol	234
Ethanol	326	Ethylbenzene	29.9
Ethyl Acetate	4.76	Isopropanol	124
Ethylbenzene	23.9	m,p-Xylene	112
Isopropanol	158	Methyl Ethyl Ketone (2-Butanone)	1.72
m,p-Xylene	22.8	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	4.92
Methyl Ethyl Ketone (2-Butanone)	7.34	N-Heptane	47.1
Methylene Chloride	4.2	N-Hexane	3.82
N-Heptane	2.52	O-Xylene (1,2-Dimethylbenzene)	45.2
N-Hexane	3.74	Styrene	1.61
O-Xylene (1,2-Dimethylbenzene)	11.5	Tetrachloroethylene (PCE)	0.332
Styrene	0.881	Tetrahydrofuran	16.8
Tert-Butyl Alcohol	13.7	Toluene	155
Tetrachloroethylene (PCE)	34.8	Trichlorofluoromethane	1.14
Tetrahydrofuran	17		
Toluene	53.9		
Trichloroethylene (TCE)	7.52		

OA001		03/08/2022	
VOCs			
Acetone	5.94		
Benzene	0.655		
Carbon Tetrachloride	0.497		
Chloromethane	1.24		
Dichlorodifluoromethane	2.35		
Isopropanol	1.45		
Tetrahydrofuran	14.9		
Toluene	1.99		

SV003		03/08/2022	
VOCs			
1,3-Butadiene	0.96		
2,2,4-Trimethylpentane	1.98		
Acetone	69.1		
Benzene	1.7		
Carbon Disulfide	1.02		
Chloroform	1.2		
Cyclohexane	2.76		
Dichlorodifluoromethane	2.42		
Ethanol	268		
Ethyl Acetate	5.19		
Ethylbenzene	12.9		
Isopropanol	11.5		
m,p-Xylene	12.3		
Methyl Ethyl Ketone (2-Butanone)	4.63		
N-Heptane	3.14		
N-Hexane	7.12		
O-Xylene (1,2-Dimethylbenzene)	5.86		
Tert-Butyl Alcohol	3.82		
Tetrachloroethylene (PCE)	3.44		
Tetrahydrofuran	7.76		
Toluene	29.1		
Trichlorofluoromethane	6.05		

IA003		03/08/2022	
VOCs			
1,2,4-Trimethylbenzene	12.5		
1,3,5-Trimethylbenzene (Mesitylene)	3.38		
2,2,4-Trimethylpentane	19.9		
4-Ethyltoluene	3.29		
Acetone	86.6		
Benzene	6.77		
Carbon Tetrachloride	0.459		
Chloromethane	1.26		
Cyclohexane	7.19		
Dichlorodifluoromethane	2.45		
Ethanol	469		
Ethylbenzene	9.47		
Isopropanol	43.3		
m,p-Xylene	35		
N-Heptane	17.3		
N-Hexane	20.5		
O-Xylene (1,2-Dimethylbenzene)	13.5		
Tetrachloroethylene (PCE)	0.312		
Tetrahydrofuran	122		
Toluene	52		
Trichlorofluoromethane	1.31		

SV006		03/08/2022	
VOCs			
1,1,1-Trichloroethane (TCA)	15.9		
1,2,4-Trimethylbenzene	1.23		
1,3-Butadiene	3.63		
1,4-Dioxane (P-Dioxane)	3.01		
2,2,4-Trimethylpentane	1.57		
2-Hexanone	0.988		
Acetone	182		
Benzene	5.3		
Carbon Disulfide	12.7		
Cyclohexane	2.72		
Dichlorodifluoromethane	8.55		
Ethanol	366		
Ethyl Acetate	1.92		
Ethylbenzene	32.2		
Isopropanol	43		
m,p-Xylene	26.8		
Methyl Ethyl Ketone (2-Butanone)	9.97		
Methylene Chloride	2.66		
N-Heptane	2.6		
N-Hexane	3.67		
O-Xylene (1,2-Dimethylbenzene)	14.6		
Styrene	1.19		
Tert-Butyl Alcohol	6.15		
Tetrachloroethylene (PCE)	275		
Tetrahydrofuran	9		
Toluene	69.7		
Trichlorofluoromethane	22.4		

IA006		03/08/2022	
VOCs			
1,2,4-Trimethylbenzene	48.8		
1,3,5-Trimethylbenzene (Mesitylene)	12.7		
1,3-Butadiene	0.577		
2,2,4-Trimethylpentane	52.3		
4-Ethyltoluene	10.2		
Acetone	196		
Benzene	17.3		
Carbon Tetrachloride	0.478		
Chloromethane	1.3		
Cyclohexane	18.9		
Dichlorodifluoromethane	2.48		
Ethanol	194		
Ethylbenzene	28.1		
Isopropanol	201		
m,p-Xylene	105		
Methyl Ethyl Ketone (2-Butanone)	1.52		
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	5.74		
N-Heptane	47.9		
N-Hexane	54.6		
O-Xylene (1,2-Dimethylbenzene)	41.5		
Styrene	1.01		
Tetrachloroethylene (PCE)	0.244		
Tetrahydrofuran	13.4		
Toluene	168		

IA012		03/08/2022	
VOCs			
1,2,4-Trimethylbenzene	10.8		
1,3,5-Trimethylbenzene (Mesitylene)	2.88		
2,2,4-Trimethylpentane	19		
4-Ethyltoluene	2.7		
Acetone	164		
Benzene	6.64		
Carbon Tetrachloride	0.453		
Chloromethane	1.28		
Cyclohexane	6.92		
Dichlorodifluoromethane	2.48		
Ethanol	332		
Ethylbenzene	8.69		
Isopropanol	76.2		
m,p-Xylene	31.8		
Methyl Ethyl Ketone (2-Butanone)	2.01		
N-Heptane	17.2		
N-Hexane	20.3		
O-Xylene (1,2-Dimethylbenzene)	72.1		
Tetrachloroethylene (PCE)	0.237		
Tetrahydrofuran	33.9		
Toluene	55.8		
Trichlorofluoromethane	1.21		

SV008		03/08/2022	
VOCs			
1,2,4-Trimethylbenzene	1.6		
1,3-Butadiene	3.65		
2,2,4-Trimethylpentane	1.55		
Acetone	149		
Benzene	5.05		
Carbon Disulfide	33.3		
Chloroform	1.14		
Cyclohexane	14.2		
Dichlorodifluoromethane	2.44		
Ethanol	354		
Ethyl Acetate	6.63		
Ethylbenzene	21.2		
Isopropanol	52.6		
m,p-Xylene	24.1		
Methyl Ethyl Ketone (2-Butanone)	6.72		
N-Heptane	2.46		
N-Hexane	3.77		
O-Xylene (1,2-Dimethylbenzene)	11.5		
Styrene	1.16		
Tert-Butyl Alcohol	5.61		
Tetrachloroethylene (PCE)	1.97		
Tetrahydrofuran	21.6		
Toluene	54.3		
Trichloroethylene (TCE)	3.58		
Trichlorofluoromethane	1.45		

IA008		03/08/2022	
VOCs			
1,2,4-Trimethylbenzene	21.9		
1,3,5-Trimethylbenzene (Mesitylene)	5.85		
2,2,4-Trimethylpentane	25.1		
4-Ethyltoluene	4.29		
Acetone	158		
Benzene	7.73		
Carbon Tetrachloride	0.447		
Chloromethane	1.24		
Cyclohexane	9.57		
Dichlorodifluoromethane	2.4		
Ethanol	124		
Ethylbenzene	20.7		
Isopropanol	715		
m,p-Xylene	82.1		
Methyl Ethyl Ketone (2-Butanone)	1.97		
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	4.05		
N-Heptane	28.9		
N-Hexane	27.7		
O-Xylene (1,2-Dimethylbenzene)	29.4		
Tert-Butyl Alcohol	0.176		
Tetrachloroethylene (PCE)	18.6		
Tetrahydrofuran	194		
Toluene	114		
Trichlorofluoromethane	1.14		

SV004		03/08/2022	
VOCs			
2,2,4-Trimethylpentane	2.26		
2-Hexanone	1.07		
Acetone	111		
Benzene	5.81		
Carbon Disulfide	1.48		
Cyclohexane	5.34		
Dichlorodifluoromethane	2.74		
Ethanol	275		
Ethyl Acetate	5.3		
Ethylbenzene	28.5		
Isopropanol	16.8		
m,p-Xylene	24.5		
Methyl Ethyl Ketone (2-Butanone)	2.75		
Methylene Chloride	2.13		
N-Heptane	2.65		
N-Hexane	8.67		
O-Xylene (1,2-Dimethylbenzene)	12.8		
Styrene	0.984		
Tert-Butyl Alcohol	4.49		
Tetrahydrofuran	3.57		
Toluene	64.8		
Trichlorofluoromethane	10.8		

SV009		03/08/2022	
VOCs			
1,1,1-Trichloroethane (TCA)	11.3		
1,4-Dioxane (P-Dioxane)	2.67		
Acetone	204		
Benzene	0.824		
Carbon Disulfide	1.56		
Chloroform	1.2		
Cyclohexane	1.27		
Dichlorodifluoromethane	2.42		
Ethanol	103		
Ethyl Acetate	1.92		
Ethylbenzene	17.1		
Isopropanol	19.7		
m,p-Xylene	16.2		
Methyl Ethyl Ketone (2-Butanone)	3.95		
Methylene Chloride	2.95		
N-Heptane	1.45		
N-Hexane	1.48		
O-Xylene (1,2-Dimethylbenzene)	8.08		
Tert-Butyl Alcohol	10.5		
Tetrachloroethylene (PCE)	5.03		
Toluene	35.3		
Trichlorofluoromethane	1.17		

SV011		03/08/2022	
VOCs			
1,1,1-Trichloroethane (TCA)	50.7		
1,2,4-Trimethylbenzene	2.03		
1,4-Dioxane (P-Dioxane)	30.8		
2,2,4-Trimethylpentane	2.48		
2-Hexanone	1.44		
Benzene	1400		
Carbon Disulfide	20.9		
Chloroform	23.9		
Cyclohexane	10.5		
Dichlorodifluoromethane	3.35		
Ethanol	2340		
Ethylbenzene	22		
Isopropanol	544		
m,p-Xylene	24.1		
Methyl Ethyl Ketone (2-Butanone)	25.2		
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	7.38		
Methylene Chloride	2.79		
N-Heptane	4.14		
N-Hexane	6.48		
O-Xylene (1,2-Dimethylbenzene)	11.3		
Tert-Butyl Alcohol	27.2		
Tetrachloroethylene (PCE)	10.4		
Tetrahydrofuran	58		
Toluene	132		
Trichloroethylene (TCE)	128		

IA011		03/08/2022	
VOCs			
1,2,4-Trimethylbenzene	50.6		
1,3,5-Trimethylbenzene (Mesitylene)	12.9		
2,2,4-Trimethylpentane	10.9		
4-Ethyltoluene	51		

Soil Vapor Intrusion Investigation Summary Report
40-40 Northern Boulevard, Long Island City, New York

ATTACHMENTS

1. Sample Logs
2. Lab Analytical Report

Soil Vapor Intrusion Investigation Summary Report
40-40 Northern Boulevard, Long Island City, New York

ATTACHMENT 1

Sample Logs

Soil Vapor Sampling Form

Date: 3/8/2022

Time: 21:16

Weather : Mostly cloudy

Temperature: 42° F Humidity: 38%

Wind Magnitude: 7 mph Wind Direction: E

Barometric Pressure: 30.15 inHg Precipitation: none

Sampling Team: D. Kaplan/E. Butler

Sampling Location: OA001

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: NA

Sampling Depth: NA feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: NA

Apparent Moisture Content: NA

Purge Rate: NA Must be less than 0.2 L/min (200 mL/min)

Purge Time: NA

Helium Rate at enclosure: NA

Helium Rate from sample tubing: NA Is this rate <10% of the rate at the enclosure Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time ? **Yes**

Starting Pressure: -30.62 in. of Hg

Starting Time: 21:16

Ending Time: 23:33

Ending Pressure: -7.38 in. of Hg

Summa Canister Identification #: 2874

Flow Regulator ID # 0648

Sample ID # OA001

Time 2 hour

Analysis TO-15

Laboratory Alpha Analytical



Soil Vapor Sampling Form

Date: 3/8/2022

Time: 21:12

Weather : Mostly cloudy

Temperature: 42° F Humidity: 38%

Wind Magnitude: 7 mph Wind Direction: E

Barometric Pressure: 30.15 inHg Precipitation: none

Sampling Team: D. Kaplan/E. Butler

Sampling Location: IA003

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: NA

Sampling Depth: NA feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: NA

Apparent Moisture Content: NA

Purge Rate: NA Must be less than 0.2 L/min (200 mL/min)

Purge Time: NA

Helium Rate at enclosure: NA

Helium Rate from sample tubing: NA Is this rate <10% of the rate at the enclosure Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time ? **Yes**

Starting Pressure: -30.50 in. of Hg

Starting Time: 21:12

Ending Time: 23:32

Ending Pressure: -2.72 in. of Hg

Summa Canister Identification #: 2867

Flow Regulator ID # 01099

Sample ID # IA003

Time 2 hour

Analysis TO-15

Laboratory Alpha Analytical



Soil Vapor Sampling Form

Date: 3/8/2022

Time: 21:27

Weather : Mostly cloudy

Temperature: 42° F Humidity: 38%

Wind Magnitude: 7 mph Wind Direction: E

Barometric Pressure: 30.15 inHg Precipitation: none

Sampling Team: D. Kaplan/E. Butler

Sampling Location: SV003

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: Yes

Sampling Depth: sub-slab feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: NA

Apparent Moisture Content: none

Purge Rate: 200 mL/min Must be less than 0.2 L/min (200 mL/min)

Purge Time: 2 min

Helium Rate at enclosure: 6150 ppm

Helium Rate from sample tubing: 0 ppm Is this rate <10% of the rate at the enclosure **Yes / No**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time ? **Yes**

Starting Pressure: -30.52 in. of Hg

Starting Time: 21:27

Ending Time: 23:33

Ending Pressure: -4.37 in. of Hg

Summa Canister Identification #: 3177

Flow Regulator ID # 01934

Sample ID # SV003

Time 2 hour

Analysis TO-15

Laboratory Alpha Analytical



Soil Vapor Sampling Form

Date: 3/8/2022

Time: 20:59

Weather : Mostly cloudy

Temperature: 42° F Humidity: 38%

Wind Magnitude: 7 mph Wind Direction: E

Barometric Pressure: 30.15 inHg Precipitation: none

Sampling Team: D. Kaplan/E. Butler

Sampling Location: SV004

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: Yes

Sampling Depth: sub-slab feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: NA

Apparent Moisture Content: none

Purge Rate: 200 mL/min Must be less than 0.2 L/min (200 mL/min)

Purge Time: 2 min

Helium Rate at enclosure: 1525 ppm

Helium Rate from sample tubing: 0 ppm Is this rate <10% of the rate at the enclosure **Yes / No**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time ? **Yes**

Starting Pressure: -30.18 in. of Hg

Starting Time: 20:59

Ending Time: 23:49

Ending Pressure: -11.48 in. of Hg

Summa Canister Identification #: 3017

Flow Regulator ID #: 01392

Sample ID #: SV004

Time 2 hour

Analysis TO-15

Laboratory Alpha Analytical

Soil Vapor Sampling Form

Date: 3/8/2022

Time: 21:01

Weather : Mostly cloudy

Temperature: 42° F Humidity: 38%

Wind Magnitude: 7 mph Wind Direction: E

Barometric Pressure: 30.15 inHg Precipitation: none

Sampling Team: D. Kaplan/E. Butler

Sampling Location: IA004

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: NA

Sampling Depth: NA feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: NA

Apparent Moisture Content: NA

Purge Rate: NA Must be less than 0.2 L/min (200 mL/min)

Purge Time: NA

Helium Rate at enclosure: NA

Helium Rate from sample tubing: NA Is this rate <10% of the rate at the enclosure Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time ? **Yes**

Starting Pressure: -29.81 in. of Hg

Starting Time: 21:01

Ending Time: 23:01

Ending Pressure: -5.24 in. of Hg

Summa Canister Identification #: 248

Flow Regulator ID #: 01709

Sample ID #: IA004

Time 2 hour

Analysis TO-15

Laboratory Alpha Analytical



Soil Vapor Sampling Form

Date: 3/8/2022

Time: 20:03

Weather : Mostly cloudy

Temperature: 42° F Humidity: 38%

Wind Magnitude: 7 mph Wind Direction: E

Barometric Pressure: 30.15 inHg Precipitation: none

Sampling Team: D. Kaplan/E. Butler

Sampling Location: IA005

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: NA

Sampling Depth: NA feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: NA

Apparent Moisture Content: NA

Purge Rate: NA Must be less than 0.2 L/min (200 mL/min)

Purge Time: NA

Helium Rate at enclosure: NA

Helium Rate from sample tubing: NA Is this rate <10% of the rate at the enclosure Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time ? **Yes**

Starting Pressure: -30.08 in. of Hg

Starting Time: 20:03

Ending Time: 22:15

Ending Pressure: -8.87 in. of Hg

Summa Canister Identification #: 423

Flow Regulator ID # 01824

Sample ID # IA005

Time 2 hour

Analysis TO-15

Laboratory Alpha Analytical



Soil Vapor Sampling Form

Date: 3/8/2022

Time: 20:00

Weather : Mostly cloudy

Temperature: 42° F Humidity: 38%

Wind Magnitude: 7 mph Wind Direction: E

Barometric Pressure: 30.15 inHg Precipitation: none

Sampling Team: D. Kaplan/E. Butler

Sampling Location: SV005

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: Yes

Sampling Depth: sub-slab feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: NA

Apparent Moisture Content: none

Purge Rate: 200 mL/min Must be less than 0.2 L/min (200 mL/min)

Purge Time: 2 min

Helium Rate at enclosure: 8750 ppm

Helium Rate from sample tubing: 0 ppm Is this rate <10% of the rate at the enclosure **Yes / No**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time ? **Yes**

Starting Pressure: -30.13 in. of Hg

Starting Time: 20:00

Ending Time: 22:04

Ending Pressure: -7.65 in. of Hg

Summa Canister Identification #: 2850

Flow Regulator ID #: 0696

Sample ID #: SV005

Time 2 hour

Analysis TO-15

Laboratory Alpha Analytical



Soil Vapor Sampling Form

Date: 3/8/2022

Time: 19:33

Weather : Mostly cloudy

Temperature: 42° F Humidity: 38%

Wind Magnitude: 7 mph Wind Direction: E

Barometric Pressure: 30.15 inHg Precipitation: none

Sampling Team: D. Kaplan/E. Butler

Sampling Location: IA006

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: NA

Sampling Depth: NA feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: NA

Apparent Moisture Content: NA

Purge Rate: NA Must be less than 0.2 L/min (200 mL/min)

Purge Time: NA

Helium Rate at enclosure: NA

Helium Rate from sample tubing: NA Is this rate <10% of the rate at the enclosure Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time ? **Yes**

Starting Pressure: -30.25 in. of Hg

Starting Time: 19:33

Ending Time: 21:32

Ending Pressure: -8.74 in. of Hg

Summa Canister Identification #: 387

Flow Regulator ID #: 01951

Sample ID #: IA006

Time 2 hour

Analysis TO-15

Laboratory Alpha Analytical



Soil Vapor Sampling Form

Date: 3/8/2022

Time: 19:32

Weather : Mostly cloudy

Temperature: 42° F Humidity: 38%

Wind Magnitude: 7 mph Wind Direction: E

Barometric Pressure: 30.15 inHg Precipitation: none

Sampling Team: D. Kaplan/E. Butler

Sampling Location: SV006

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: Yes

Sampling Depth: sub-slab feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: NA

Apparent Moisture Content: none

Purge Rate: 200 mL/min Must be less than 0.2 L/min (200 mL/min)

Purge Time: 2 min

Helium Rate at enclosure: 1275 ppm

Helium Rate from sample tubing: 0 ppm Is this rate <10% of the rate at the enclosure **Yes / No**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time ? **Yes**

Starting Pressure: -30.13 in. of Hg

Starting Time: 19:32

Ending Time: 21:32

Ending Pressure: -5.56 in. of Hg

Summa Canister Identification #: 142

Flow Regulator ID #: 01781

Sample ID #: SV006

Time 2 hour

Analysis TO-15

Laboratory Alpha Analytical



Soil Vapor Sampling Form

Date: 3/8/2022

Time: 19:18

Weather : Mostly cloudy

Temperature: 42° F Humidity: 38%

Wind Magnitude: 7 mph Wind Direction: E

Barometric Pressure: 30.15 inHg Precipitation: none

Sampling Team: D. Kaplan/E. Butler

Sampling Location: IA007

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: NA

Sampling Depth: NA feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: NA

Apparent Moisture Content: NA

Purge Rate: NA Must be less than 0.2 L/min (200 mL/min)

Purge Time: NA

Helium Rate at enclosure: NA

Helium Rate from sample tubing: NA Is this rate <10% of the rate at the enclosure Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time ? **Yes**

Starting Pressure: -29.97 in. of Hg

Starting Time: 19:18

Ending Time: 21:18

Ending Pressure: -7.24 in. of Hg

Summa Canister Identification #: 3023

Flow Regulator ID #: 0561

Sample ID #: IA007

Time 2 hour

Analysis TO-15

Laboratory Alpha Analytical



Soil Vapor Sampling Form

Date: 3/8/2022

Time: 19:15

Weather : Mostly cloudy

Temperature: 42° F Humidity: 38%

Wind Magnitude: 7 mph Wind Direction: E

Barometric Pressure: 30.15 inHg Precipitation: none

Sampling Team: D. Kaplan/E. Butler

Sampling Location: SV007

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: Yes

Sampling Depth: sub-slab feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: NA

Apparent Moisture Content: none

Purge Rate: 200 mL/min Must be less than 0.2 L/min (200 mL/min)

Purge Time: 2 min

Helium Rate at enclosure: 9100 ppm

Helium Rate from sample tubing: 0 ppm Is this rate <10% of the rate at the enclosure **Yes / No**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time ? **Yes**

Starting Pressure: -30.12 in. of Hg

Starting Time: 19:15

Ending Time: 23:39

Ending Pressure: -9.34 in. of Hg

Summa Canister Identification #: 1732

Flow Regulator ID #: 0069

Sample ID #: SV007

Time 2 hour

Analysis TO-15

Laboratory Alpha Analytical



Soil Vapor Sampling Form

Date: 3/8/2022

Time: 19:45

Weather : Mostly cloudy

Temperature: 42° F Humidity: 38%

Wind Magnitude: 7 mph Wind Direction: E

Barometric Pressure: 30.15 inHg Precipitation: none

Sampling Team: D. Kaplan/E. Butler

Sampling Location: IA008

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: NA

Sampling Depth: NA feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: NA

Apparent Moisture Content: NA

Purge Rate: NA Must be less than 0.2 L/min (200 mL/min)

Purge Time: NA

Helium Rate at enclosure: NA

Helium Rate from sample tubing: NA Is this rate <10% of the rate at the enclosure Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time ? **Yes**

Starting Pressure: -30.14 in. of Hg

Starting Time: 19:45

Ending Time: 21:47

Ending Pressure: -7.93 in. of Hg

Summa Canister Identification #: 535

Flow Regulator ID #: 01545

Sample ID #: IA008

Time 2 hour

Analysis TO-15

Laboratory Alpha Analytical



Soil Vapor Sampling Form

Date: 3/8/2022

Time: 19:43

Weather : Mostly cloudy

Temperature: 42° F Humidity: 38%

Wind Magnitude: 7 mph Wind Direction: E

Barometric Pressure: 30.15 inHg Precipitation: none

Sampling Team: D. Kaplan/E. Butler

Sampling Location: SV008

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: Yes

Sampling Depth: sub-slab feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: NA

Apparent Moisture Content: none

Purge Rate: 200 mL/min Must be less than 0.2 L/min (200 mL/min)

Purge Time: 2 min

Helium Rate at enclosure: 15300 ppm

Helium Rate from sample tubing: 0 ppm Is this rate <10% of the rate at the enclosure **Yes / No**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time ? **Yes**

Starting Pressure: -30.20 in. of Hg

Starting Time: 19:43

Ending Time: 21:47

Ending Pressure: -5.53 in. of Hg

Summa Canister Identification #: 3213

Flow Regulator ID #: 0971

Sample ID #: SV008

Time 2 hour

Analysis TO-15

Laboratory Alpha Analytical



Soil Vapor Sampling Form

Date: 3/8/2022

Time: 21:10

Weather : Mostly cloudy

Temperature: 42° F Humidity: 38%

Wind Magnitude: 7 mph Wind Direction: E

Barometric Pressure: 30.15 inHg Precipitation: none

Sampling Team: D. Kaplan/E. Butler

Sampling Location: IA009

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: NA

Sampling Depth: NA feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: NA

Apparent Moisture Content: NA

Purge Rate: NA Must be less than 0.2 L/min (200 mL/min)

Purge Time: NA

Helium Rate at enclosure: NA

Helium Rate from sample tubing: NA Is this rate <10% of the rate at the enclosure Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time ? **Yes**

Starting Pressure: -30.25 in. of Hg

Starting Time: 21:10

Ending Time: 23:16

Ending Pressure: -8.17 in. of Hg

Summa Canister Identification #: 1746

Flow Regulator ID #: 01941

Sample ID #: IA009

Time 2 hour

Analysis TO-15

Laboratory Alpha Analytical



Soil Vapor Sampling Form

Date: 3/8/2022

Time: 21:09

Weather : Mostly cloudy

Temperature: 42° F Humidity: 38%

Wind Magnitude: 7 mph Wind Direction: E

Barometric Pressure: 30.15 inHg Precipitation: none

Sampling Team: D. Kaplan/E. Butler

Sampling Location: SV009

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: Yes

Sampling Depth: sub-slab feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: NA

Apparent Moisture Content: none

Purge Rate: 200 mL/min Must be less than 0.2 L/min (200 mL/min)

Purge Time: 2 min

Helium Rate at enclosure: 4250 ppm

Helium Rate from sample tubing: 0 ppm Is this rate <10% of the rate at the enclosure **Yes / No**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time ? **Yes**

Starting Pressure: -30.19 in. of Hg

Starting Time: 21:09

Ending Time: 23:14

Ending Pressure: -5.55 in. of Hg

Summa Canister Identification #: 2769

Flow Regulator ID #: 01080

Sample ID #: SV009

Time 2 hour

Analysis TO-15

Laboratory Alpha Analytical



Soil Vapor Sampling Form

Date: 3/8/2022

Time: 20:21

Weather : Mostly cloudy

Temperature: 42° F Humidity: 38%

Wind Magnitude: 7 mph Wind Direction: E

Barometric Pressure: 30.15 inHg Precipitation: none

Sampling Team: D. Kaplan/E. Butler

Sampling Location: IA010

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: NA

Sampling Depth: NA feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: NA

Apparent Moisture Content: NA

Purge Rate: NA Must be less than 0.2 L/min (200 mL/min)

Purge Time: NA

Helium Rate at enclosure: NA

Helium Rate from sample tubing: NA Is this rate <10% of the rate at the enclosure Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time ? **Yes**

Starting Pressure: -30.29 in. of Hg

Starting Time: 20:21

Ending Time: 22:38

Ending Pressure: -8.93 in. of Hg

Summa Canister Identification #: 2421

Flow Regulator ID #: 01611

Sample ID #: IA010

Time 2 hour

Analysis TO-15

Laboratory Alpha Analytical



Soil Vapor Sampling Form

Date: 3/8/2022

Time: 20:20

Weather : Mostly cloudy

Temperature: 42° F Humidity: 38%

Wind Magnitude: 7 mph Wind Direction: E

Barometric Pressure: 30.15 inHg Precipitation: none

Sampling Team: D. Kaplan/E. Butler

Sampling Location: SV010

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: Yes

Sampling Depth: sub-slab feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: NA

Apparent Moisture Content: none

Purge Rate: 200 mL/min Must be less than 0.2 L/min (200 mL/min)

Purge Time: 2 min

Helium Rate at enclosure: 5975 ppm

Helium Rate from sample tubing: 0 ppm Is this rate <10% of the rate at the enclosure **Yes / No**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time ? **Yes**

Starting Pressure: -30.09 in. of Hg

Starting Time: 20:20

Ending Time: 22:22

Ending Pressure: -5.52 in. of Hg

Summa Canister Identification #: 2199

Flow Regulator ID # 01793

Sample ID # SV010

Time 2 hour

Analysis TO-15

Laboratory Alpha Analytical



Soil Vapor Sampling Form

Date: 3/8/2022

Time: 20:32

Weather : Mostly cloudy

Temperature: 42° F Humidity: 38%

Wind Magnitude: 7 mph Wind Direction: E

Barometric Pressure: 30.15 inHg Precipitation: none

Sampling Team: D. Kaplan/E. Butler

Sampling Location: SV011

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: Yes

Sampling Depth: sub-slab feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: NA

Apparent Moisture Content: none

Purge Rate: 200 mL/min Must be less than 0.2 L/min (200 mL/min)

Purge Time: 2 min

Helium Rate at enclosure: 4925 ppm

Helium Rate from sample tubing: 0 ppm Is this rate <10% of the rate at the enclosure **Yes / No**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time ? **Yes**

Starting Pressure: -30.23 in. of Hg

Starting Time: 20:32

Ending Time: 22:29

Ending Pressure: -4.52 in. of Hg

Summa Canister Identification #: 2451

Flow Regulator ID # 01548

Sample ID # SV011

Time 2 hour

Analysis TO-15

Laboratory Alpha Analytical

Soil Vapor Sampling Form

Date: 3/8/2022

Time: 20:34

Weather : Mostly cloudy

Temperature: 42° F Humidity: 38%

Wind Magnitude: 7 mph Wind Direction: E

Barometric Pressure: 30.15 inHg Precipitation: none

Sampling Team: D. Kaplan/E. Butler

Sampling Location: IA011

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: NA

Sampling Depth: NA feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: NA

Apparent Moisture Content: NA

Purge Rate: NA Must be less than 0.2 L/min (200 mL/min)

Purge Time: NA

Helium Rate at enclosure: NA

Helium Rate from sample tubing: NA Is this rate <10% of the rate at the enclosure Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time ? **Yes**

Starting Pressure: -30.05 in. of Hg

Starting Time: 20:34

Ending Time: 22:33

Ending Pressure: -5.26 in. of Hg

Summa Canister Identification #: 2230

Flow Regulator ID #: 01948

Sample ID #: IA011

Time 2 hour

Analysis TO-15

Laboratory Alpha Analytical



Soil Vapor Sampling Form

Date: 3/8/2022

Time: 21:09

Weather : Mostly cloudy

Temperature: 42° F Humidity: 38%

Wind Magnitude: 7 mph Wind Direction: E

Barometric Pressure: 30.15 inHg Precipitation: none

Sampling Team: D. Kaplan/E. Butler

Sampling Location: IA012

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: NA

Sampling Depth: NA feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: NA

Apparent Moisture Content: NA

Purge Rate: NA Must be less than 0.2 L/min (200 mL/min)

Purge Time: NA

Helium Rate at enclosure: NA

Helium Rate from sample tubing: NA Is this rate <10% of the rate at the enclosure Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time ? **Yes**

Starting Pressure: -30.22 in. of Hg

Starting Time: 21:09

Ending Time: 23:30

Ending Pressure: -2.51 in. of Hg

Summa Canister Identification #: 3019

Flow Regulator ID #: 0827

Sample ID #: IA012

Time 2 hour

Analysis TO-15

Laboratory Alpha Analytical



Soil Vapor Intrusion Investigation Summary Report
40-40 Northern Boulevard, Long Island City, New York

ATTACHMENT 2

Lab Analytical Report



ANALYTICAL REPORT

Lab Number:	L2212243
Client:	Roux Env. Eng. & Geology, DPC 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Emily Butler
Phone:	(631) 630-2432
Project Name:	GIC QUEENS
Project Number:	3883.0001Y000
Report Date:	03/16/22

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

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

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



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2212243-01	SV006	SOIL_VAPOR	40-40 NORTHERN BLVD	03/08/22 21:32	03/09/22
L2212243-02	IA006	AIR	40-40 NORTHERN BLVD	03/08/22 21:32	03/09/22
L2212243-03	IA007	AIR	40-40 NORTHERN BLVD	03/08/22 21:18	03/09/22
L2212243-04	SV008	SOIL_VAPOR	40-40 NORTHERN BLVD	03/08/22 21:47	03/09/22
L2212243-05	IA008	AIR	40-40 NORTHERN BLVD	03/08/22 21:47	03/09/22
L2212243-06	SV005	SOIL_VAPOR	40-40 NORTHERN BLVD	03/08/22 22:04	03/09/22
L2212243-07	IA005	AIR	40-40 NORTHERN BLVD	03/08/22 22:15	03/09/22
L2212243-08	SV010	SOIL_VAPOR	40-40 NORTHERN BLVD	03/08/22 22:22	03/09/22
L2212243-09	SV011	SOIL_VAPOR	40-40 NORTHERN BLVD	03/08/22 22:29	03/09/22
L2212243-10	IA011	AIR	40-40 NORTHERN BLVD	03/08/22 22:33	03/09/22
L2212243-11	IA010	AIR	40-40 NORTHERN BLVD	03/08/22 22:38	03/09/22
L2212243-12	IA004	AIR	40-40 NORTHERN BLVD	03/08/22 23:01	03/09/22
L2212243-13	SV009	SOIL_VAPOR	40-40 NORTHERN BLVD	03/08/22 23:14	03/09/22
L2212243-14	IA009	AIR	40-40 NORTHERN BLVD	03/08/22 23:16	03/09/22
L2212243-15	IA012	AIR	40-40 NORTHERN BLVD	03/08/22 23:30	03/09/22
L2212243-16	OA001	AIR	40-40 NORTHERN BLVD	03/08/22 23:33	03/09/22
L2212243-17	IA003	AIR	40-40 NORTHERN BLVD	03/08/22 23:32	03/09/22
L2212243-18	SV003	SOIL_VAPOR	40-40 NORTHERN BLVD	03/08/22 23:33	03/09/22
L2212243-19	SV004	SOIL_VAPOR	40-40 NORTHERN BLVD	03/08/22 23:49	03/09/22
L2212243-20	SV007	SOIL_VAPOR	40-40 NORTHERN BLVD	03/08/22 23:39	03/09/22

Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

Case Narrative

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

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

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

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

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

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

Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on March 7, 2022. The canister certification results are provided as an addendum.

L2212243-04D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

L2212243-05D: The sample was re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L2212243-09D2: The sample was re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L2212243-09D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2212243-19D: Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to perform a screen analysis. The pressurization resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

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

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 03/16/22

AIR

Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-01
 Client ID: SV006
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 21:32
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 03/15/22 01:54
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	1.73	0.200	--	8.55	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	1.64	0.200	--	3.63	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	194	5.00	--	366	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	76.7	1.00	--	182	2.38	--		1
Trichlorofluoromethane	3.98	0.200	--	22.4	1.12	--		1
Isopropanol	17.5	0.500	--	43.0	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	2.03	0.500	--	6.15	1.52	--		1
Methylene chloride	0.767	0.500	--	2.66	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	4.07	0.200	--	12.7	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	3.38	0.500	--	9.97	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-01
 Client ID: SV006
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 21:32
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	0.533	0.500	--	1.92	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	3.05	0.500	--	9.00	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.04	0.200	--	3.67	0.705	--		1
1,1,1-Trichloroethane	2.92	0.200	--	15.9	1.09	--		1
Benzene	1.66	0.200	--	5.30	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.790	0.200	--	2.72	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	0.836	0.200	--	3.01	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	0.337	0.200	--	1.57	0.934	--		1
Heptane	0.635	0.200	--	2.60	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	18.5	0.200	--	69.7	0.754	--		1
2-Hexanone	0.241	0.200	--	0.988	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	40.5	0.200	--	275	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	7.42	0.200	--	32.2	0.869	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-01
 Client ID: SV006
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 21:32
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	6.17	0.400	--	26.8	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.280	0.200	--	1.19	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	3.35	0.200	--	14.6	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.250	0.200	--	1.23	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	92		60-140



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-02
 Client ID: IA006
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 21:32
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/14/22 18:50
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.501	0.200	--	2.48	0.989	--		1
Chloromethane	0.629	0.200	--	1.30	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	0.261	0.200	--	0.577	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	103	5.00	--	194	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	82.7	1.00	--	196	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	81.6	0.500	--	201	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.517	0.500	--	1.52	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	4.53	0.500	--	13.4	1.47	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-02
 Client ID: IA006
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 21:32
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	15.5	0.200	--	54.6	0.705	--		1
Benzene	5.43	0.200	--	17.3	0.639	--		1
Cyclohexane	5.48	0.200	--	18.9	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	11.2	0.200	--	52.3	0.934	--		1
Heptane	11.7	0.200	--	47.9	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	1.40	0.500	--	5.74	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	44.5	0.200	--	168	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	6.47	0.200	--	28.1	0.869	--		1
p/m-Xylene	24.2	0.400	--	105	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.238	0.200	--	1.01	0.852	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	9.55	0.200	--	41.5	0.869	--		1
4-Ethyltoluene	2.08	0.200	--	10.2	0.983	--		1
1,3,5-Trimethylbenzene	2.59	0.200	--	12.7	0.983	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-02
 Client ID: IA006
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 21:32
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	9.93	0.200	--	48.8	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	95		60-140



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-02
 Client ID: IA006
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 21:32
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/14/22 18:50
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.076	0.020	--	0.478	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.036	0.020	--	0.244	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	95		60-140



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-03
 Client ID: IA007
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 21:18
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/14/22 19:29
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.479	0.200	--	2.37	0.989	--		1
Chloromethane	0.604	0.200	--	1.25	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	127	5.00	--	239	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	101	1.00	--	240	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	55.3	0.500	--	136	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.667	0.500	--	1.97	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.935	0.500	--	2.76	1.47	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-03
 Client ID: IA007
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 21:18
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	20.9	0.200	--	73.7	0.705	--		1
Benzene	6.37	0.200	--	20.4	0.639	--		1
Cyclohexane	7.31	0.200	--	25.2	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	15.5	0.200	--	72.4	0.934	--		1
Heptane	14.9	0.200	--	61.1	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	1.48	0.500	--	6.07	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	48.9	0.200	--	184	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	8.79	0.200	--	38.2	0.869	--		1
p/m-Xylene	33.0	0.400	--	143	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.307	0.200	--	1.31	0.852	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	13.2	0.200	--	57.3	0.869	--		1
4-Ethyltoluene	2.53	0.200	--	12.4	0.983	--		1
1,3,5-Trimethylbenzene	3.65	0.200	--	17.9	0.983	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-03
 Client ID: IA007
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 21:18
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	13.9	0.200	--	68.3	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	93		60-140



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-03
 Client ID: IA007
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 21:18
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/14/22 19:29
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.073	0.020	--	0.459	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.040	0.020	--	0.271	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	93		60-140



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-04 D
 Client ID: SV008
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 21:47
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 03/15/22 02:32
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.493	0.227	--	2.44	1.12	--		1.136
Chloromethane	ND	0.227	--	ND	0.469	--		1.136
Freon-114	ND	0.227	--	ND	1.59	--		1.136
Vinyl chloride	ND	0.227	--	ND	0.580	--		1.136
1,3-Butadiene	1.65	0.227	--	3.65	0.502	--		1.136
Bromomethane	ND	0.227	--	ND	0.881	--		1.136
Chloroethane	ND	0.227	--	ND	0.599	--		1.136
Ethanol	188	5.68	--	354	10.7	--		1.136
Vinyl bromide	ND	0.227	--	ND	0.992	--		1.136
Acetone	62.7	1.14	--	149	2.71	--		1.136
Trichlorofluoromethane	0.258	0.227	--	1.45	1.28	--		1.136
Isopropanol	21.4	0.568	--	52.6	1.40	--		1.136
1,1-Dichloroethene	ND	0.227	--	ND	0.900	--		1.136
Tertiary butyl Alcohol	1.85	0.568	--	5.61	1.72	--		1.136
Methylene chloride	ND	0.568	--	ND	1.97	--		1.136
3-Chloropropene	ND	0.227	--	ND	0.711	--		1.136
Carbon disulfide	10.7	0.227	--	33.3	0.707	--		1.136
Freon-113	ND	0.227	--	ND	1.74	--		1.136
trans-1,2-Dichloroethene	ND	0.227	--	ND	0.900	--		1.136
1,1-Dichloroethane	ND	0.227	--	ND	0.919	--		1.136
Methyl tert butyl ether	ND	0.227	--	ND	0.818	--		1.136
2-Butanone	2.28	0.568	--	6.72	1.68	--		1.136
cis-1,2-Dichloroethene	ND	0.227	--	ND	0.900	--		1.136



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-04 D
 Client ID: SV008
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 21:47
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	1.84	0.568	--	6.63	2.05	--		1.136
Chloroform	0.233	0.227	--	1.14	1.11	--		1.136
Tetrahydrofuran	7.32	0.568	--	21.6	1.68	--		1.136
1,2-Dichloroethane	ND	0.227	--	ND	0.919	--		1.136
n-Hexane	1.07	0.227	--	3.77	0.800	--		1.136
1,1,1-Trichloroethane	ND	0.227	--	ND	1.24	--		1.136
Benzene	1.58	0.227	--	5.05	0.725	--		1.136
Carbon tetrachloride	ND	0.227	--	ND	1.43	--		1.136
Cyclohexane	4.12	0.227	--	14.2	0.781	--		1.136
1,2-Dichloropropane	ND	0.227	--	ND	1.05	--		1.136
Bromodichloromethane	ND	0.227	--	ND	1.52	--		1.136
1,4-Dioxane	ND	0.227	--	ND	0.818	--		1.136
Trichloroethene	0.666	0.227	--	3.58	1.22	--		1.136
2,2,4-Trimethylpentane	0.332	0.227	--	1.55	1.06	--		1.136
Heptane	0.601	0.227	--	2.46	0.930	--		1.136
cis-1,3-Dichloropropene	ND	0.227	--	ND	1.03	--		1.136
4-Methyl-2-pentanone	ND	0.568	--	ND	2.33	--		1.136
trans-1,3-Dichloropropene	ND	0.227	--	ND	1.03	--		1.136
1,1,2-Trichloroethane	ND	0.227	--	ND	1.24	--		1.136
Toluene	14.4	0.227	--	54.3	0.855	--		1.136
2-Hexanone	ND	0.227	--	ND	0.930	--		1.136
Dibromochloromethane	ND	0.227	--	ND	1.93	--		1.136
1,2-Dibromoethane	ND	0.227	--	ND	1.74	--		1.136
Tetrachloroethene	0.290	0.227	--	1.97	1.54	--		1.136
Chlorobenzene	ND	0.227	--	ND	1.05	--		1.136
Ethylbenzene	4.88	0.227	--	21.2	0.986	--		1.136



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-04 D
 Client ID: SV008
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 21:47
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	5.55	0.454	--	24.1	1.97	--		1.136
Bromoform	ND	0.227	--	ND	2.35	--		1.136
Styrene	0.272	0.227	--	1.16	0.966	--		1.136
1,1,2,2-Tetrachloroethane	ND	0.227	--	ND	1.56	--		1.136
o-Xylene	2.65	0.227	--	11.5	0.986	--		1.136
4-Ethyltoluene	ND	0.227	--	ND	1.12	--		1.136
1,3,5-Trimethylbenzene	ND	0.227	--	ND	1.12	--		1.136
1,2,4-Trimethylbenzene	0.325	0.227	--	1.60	1.12	--		1.136
Benzyl chloride	ND	0.227	--	ND	1.18	--		1.136
1,3-Dichlorobenzene	ND	0.227	--	ND	1.36	--		1.136
1,4-Dichlorobenzene	ND	0.227	--	ND	1.36	--		1.136
1,2-Dichlorobenzene	ND	0.227	--	ND	1.36	--		1.136
1,2,4-Trichlorobenzene	ND	0.227	--	ND	1.69	--		1.136
Hexachlorobutadiene	ND	0.227	--	ND	2.42	--		1.136

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	91		60-140



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-05
 Client ID: IA008
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 21:47
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/14/22 20:08
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.485	0.200	--	2.40	0.989	--		1
Chloromethane	0.600	0.200	--	1.24	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	65.7	5.00	--	124	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	66.4	1.00	--	158	2.38	--		1
Trichlorofluoromethane	0.202	0.200	--	1.14	1.12	--		1
Isopropanol	294	0.500	--	723	1.23	--	E	1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.668	0.500	--	1.97	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	6.32	0.500	--	18.6	1.47	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-05
 Client ID: IA008
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 21:47
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	7.85	0.200	--	27.7	0.705	--		1
Benzene	2.42	0.200	--	7.73	0.639	--		1
Cyclohexane	2.78	0.200	--	9.57	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	5.38	0.200	--	25.1	0.934	--		1
Heptane	7.04	0.200	--	28.9	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.989	0.500	--	4.05	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	51.4	0.200	--	194	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	4.76	0.200	--	20.7	0.869	--		1
p/m-Xylene	18.9	0.400	--	82.1	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	6.77	0.200	--	29.4	0.869	--		1
4-Ethyltoluene	0.873	0.200	--	4.29	0.983	--		1
1,3,5-Trimethylbenzene	1.19	0.200	--	5.85	0.983	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-05
 Client ID: IA008
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 21:47
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	4.46	0.200	--	21.9	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	92		60-140



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-05
 Client ID: IA008
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 21:47
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/14/22 20:08
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.071	0.020	--	0.447	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.026	0.020	--	0.176	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	94		60-140



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-05 D
 Client ID: IA008
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 21:47
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/15/22 08:18
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Isopropanol	291	1.25	--	715	3.07	--		2.5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	100		60-140



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-06
 Client ID: SV005
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 22:04
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 03/15/22 03:49
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.562	0.200	--	2.78	0.989	--		1
Chloromethane	0.210	0.200	--	0.434	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	173	5.00	--	326	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	310	1.00	--	736	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	64.3	0.500	--	158	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	4.51	0.500	--	13.7	1.52	--		1
Methylene chloride	1.21	0.500	--	4.20	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.57	0.200	--	4.89	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	2.49	0.500	--	7.34	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-06
 Client ID: SV005
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 22:04
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	1.32	0.500	--	4.76	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	5.77	0.500	--	17.0	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.06	0.200	--	3.74	0.705	--		1
1,1,1-Trichloroethane	2.96	0.200	--	16.1	1.09	--		1
Benzene	1.22	0.200	--	3.90	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.908	0.200	--	3.13	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	1.62	0.200	--	5.84	0.721	--		1
Trichloroethene	1.40	0.200	--	7.52	1.07	--		1
2,2,4-Trimethylpentane	0.488	0.200	--	2.28	0.934	--		1
Heptane	0.615	0.200	--	2.52	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	14.3	0.200	--	53.9	0.754	--		1
2-Hexanone	0.271	0.200	--	1.11	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	5.13	0.200	--	34.8	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	5.51	0.200	--	23.9	0.869	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-06
 Client ID: SV005
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 22:04
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	5.25	0.400	--	22.8	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.207	0.200	--	0.881	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	2.64	0.200	--	11.5	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.249	0.200	--	1.22	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	97		60-140



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-07
 Client ID: IA005
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 22:15
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/14/22 20:47
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.489	0.200	--	2.42	0.989	--		1
Chloromethane	0.637	0.200	--	1.32	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	124	5.00	--	234	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	78.6	1.00	--	187	2.38	--		1
Trichlorofluoromethane	0.203	0.200	--	1.14	1.12	--		1
Isopropanol	50.6	0.500	--	124	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.582	0.500	--	1.72	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	5.71	0.500	--	16.8	1.47	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-07
 Client ID: IA005
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 22:15
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	15.8	0.200	--	55.7	0.705	--		1
Benzene	5.03	0.200	--	16.1	0.639	--		1
Cyclohexane	5.67	0.200	--	19.5	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	12.7	0.200	--	59.3	0.934	--		1
Heptane	11.5	0.200	--	47.1	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	1.20	0.500	--	4.92	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	41.2	0.200	--	155	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	6.89	0.200	--	29.9	0.869	--		1
p/m-Xylene	25.9	0.400	--	112	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.378	0.200	--	1.61	0.852	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	10.4	0.200	--	45.2	0.869	--		1
4-Ethyltoluene	2.75	0.200	--	13.5	0.983	--		1
1,3,5-Trimethylbenzene	3.05	0.200	--	15.0	0.983	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-07
 Client ID: IA005
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 22:15
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	11.6	0.200	--	57.0	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	88		60-140



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-07
 Client ID: IA005
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 22:15
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/14/22 20:47
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.081	0.020	--	0.510	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.049	0.020	--	0.332	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	88		60-140



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-08
 Client ID: SV010
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 22:22
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 03/15/22 03:11
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.517	0.200	--	2.56	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	0.231	0.200	--	0.511	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	121	5.00	--	228	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	53.0	1.00	--	126	2.38	--		1
Trichlorofluoromethane	0.204	0.200	--	1.15	1.12	--		1
Isopropanol	6.96	0.500	--	17.1	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.37	0.500	--	4.15	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.929	0.200	--	2.89	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	2.33	0.500	--	6.87	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-08
 Client ID: SV010
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 22:22
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	0.837	0.500	--	3.02	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	3.36	0.500	--	9.91	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.736	0.200	--	2.59	0.705	--		1
1,1,1-Trichloroethane	0.539	0.200	--	2.94	1.09	--		1
Benzene	0.788	0.200	--	2.52	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	1.39	0.200	--	4.78	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	0.202	0.200	--	0.728	0.721	--		1
Trichloroethene	0.212	0.200	--	1.14	1.07	--		1
2,2,4-Trimethylpentane	0.339	0.200	--	1.58	0.934	--		1
Heptane	0.614	0.200	--	2.52	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	14.8	0.200	--	55.8	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	1.88	0.200	--	12.7	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	5.89	0.200	--	25.6	0.869	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-08
 Client ID: SV010
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 22:22
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	5.80	0.400	--	25.2	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.274	0.200	--	1.17	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	2.88	0.200	--	12.5	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.459	0.200	--	2.26	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	93		60-140



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-09 D
 Client ID: SV011
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 22:29
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 03/15/22 04:26
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.677	0.286	--	3.35	1.41	--		1.429
Chloromethane	ND	0.286	--	ND	0.591	--		1.429
Freon-114	ND	0.286	--	ND	2.00	--		1.429
Vinyl chloride	ND	0.286	--	ND	0.731	--		1.429
1,3-Butadiene	ND	0.286	--	ND	0.633	--		1.429
Bromomethane	ND	0.286	--	ND	1.11	--		1.429
Chloroethane	ND	0.286	--	ND	0.755	--		1.429
Ethanol	1860	7.14	--	3500	13.5	--	E	1.429
Vinyl bromide	ND	0.286	--	ND	1.25	--		1.429
Acetone	588	1.43	--	1400	3.40	--		1.429
Trichlorofluoromethane	ND	0.286	--	ND	1.61	--		1.429
Isopropanol	140	0.714	--	344	1.76	--		1.429
1,1-Dichloroethene	ND	0.286	--	ND	1.13	--		1.429
Tertiary butyl Alcohol	8.97	0.714	--	27.2	2.16	--		1.429
Methylene chloride	0.802	0.714	--	2.79	2.48	--		1.429
3-Chloropropene	ND	0.286	--	ND	0.895	--		1.429
Carbon disulfide	7.68	0.286	--	23.9	0.891	--		1.429
Freon-113	ND	0.286	--	ND	2.19	--		1.429
trans-1,2-Dichloroethene	ND	0.286	--	ND	1.13	--		1.429
1,1-Dichloroethane	ND	0.286	--	ND	1.16	--		1.429
Methyl tert butyl ether	ND	0.286	--	ND	1.03	--		1.429
2-Butanone	8.54	0.714	--	25.2	2.11	--		1.429
cis-1,2-Dichloroethene	ND	0.286	--	ND	1.13	--		1.429



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-09 D
 Client ID: SV011
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 22:29
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.714	--	ND	2.57	--		1.429
Chloroform	ND	0.286	--	ND	1.40	--		1.429
Tetrahydrofuran	ND	0.714	--	ND	2.11	--		1.429
1,2-Dichloroethane	ND	0.286	--	ND	1.16	--		1.429
n-Hexane	1.84	0.286	--	6.48	1.01	--		1.429
1,1,1-Trichloroethane	9.30	0.286	--	50.7	1.56	--		1.429
Benzene	6.53	0.286	--	20.9	0.914	--		1.429
Carbon tetrachloride	ND	0.286	--	ND	1.80	--		1.429
Cyclohexane	3.06	0.286	--	10.5	0.984	--		1.429
1,2-Dichloropropane	ND	0.286	--	ND	1.32	--		1.429
Bromodichloromethane	ND	0.286	--	ND	1.92	--		1.429
1,4-Dioxane	8.54	0.286	--	30.8	1.03	--		1.429
Trichloroethene	23.8	0.286	--	128	1.54	--		1.429
2,2,4-Trimethylpentane	0.530	0.286	--	2.48	1.34	--		1.429
Heptane	1.01	0.286	--	4.14	1.17	--		1.429
cis-1,3-Dichloropropene	ND	0.286	--	ND	1.30	--		1.429
4-Methyl-2-pentanone	1.80	0.714	--	7.38	2.93	--		1.429
trans-1,3-Dichloropropene	ND	0.286	--	ND	1.30	--		1.429
1,1,2-Trichloroethane	ND	0.286	--	ND	1.56	--		1.429
Toluene	15.4	0.286	--	58.0	1.08	--		1.429
2-Hexanone	0.351	0.286	--	1.44	1.17	--		1.429
Dibromochloromethane	ND	0.286	--	ND	2.44	--		1.429
1,2-Dibromoethane	ND	0.286	--	ND	2.20	--		1.429
Tetrachloroethene	1.54	0.286	--	10.4	1.94	--		1.429
Chlorobenzene	ND	0.286	--	ND	1.32	--		1.429
Ethylbenzene	5.07	0.286	--	22.0	1.24	--		1.429



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-09 D
 Client ID: SV011
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 22:29
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	5.55	0.571	--	24.1	2.48	--		1.429
Bromoform	ND	0.286	--	ND	2.96	--		1.429
Styrene	ND	0.286	--	ND	1.22	--		1.429
1,1,2,2-Tetrachloroethane	ND	0.286	--	ND	1.96	--		1.429
o-Xylene	2.61	0.286	--	11.3	1.24	--		1.429
4-Ethyltoluene	ND	0.286	--	ND	1.41	--		1.429
1,3,5-Trimethylbenzene	ND	0.286	--	ND	1.41	--		1.429
1,2,4-Trimethylbenzene	0.413	0.286	--	2.03	1.41	--		1.429
Benzyl chloride	ND	0.286	--	ND	1.48	--		1.429
1,3-Dichlorobenzene	ND	0.286	--	ND	1.72	--		1.429
1,4-Dichlorobenzene	ND	0.286	--	ND	1.72	--		1.429
1,2-Dichlorobenzene	ND	0.286	--	ND	1.72	--		1.429
1,2,4-Trichlorobenzene	ND	0.286	--	ND	2.12	--		1.429
Hexachlorobutadiene	ND	0.286	--	ND	3.05	--		1.429

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	96		60-140



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-09 D2
 Client ID: SV011
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 22:29
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 03/15/22 08:54
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethanol	1240	50.0	--	2340	94.2	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	99		60-140



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-10
 Client ID: IA011
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 22:33
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/14/22 21:25
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.503	0.200	--	2.49	0.989	--		1
Chloromethane	0.618	0.200	--	1.28	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	104	5.00	--	196	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	77.6	1.00	--	184	2.38	--		1
Trichlorofluoromethane	0.202	0.200	--	1.14	1.12	--		1
Isopropanol	38.6	0.500	--	94.9	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	1.83	0.500	--	5.40	1.47	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-10
 Client ID: IA011
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 22:33
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	13.1	0.200	--	46.2	0.705	--		1
Benzene	4.23	0.200	--	13.5	0.639	--		1
Cyclohexane	4.67	0.200	--	16.1	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	10.9	0.200	--	50.9	0.934	--		1
Heptane	9.39	0.200	--	38.5	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.940	0.500	--	3.85	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	35.0	0.200	--	132	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	5.96	0.200	--	25.9	0.869	--		1
p/m-Xylene	22.2	0.400	--	96.4	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.419	0.200	--	1.78	0.852	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	8.94	0.200	--	38.8	0.869	--		1
4-Ethyltoluene	2.23	0.200	--	11.0	0.983	--		1
1,3,5-Trimethylbenzene	2.62	0.200	--	12.9	0.983	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-10
 Client ID: IA011
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 22:33
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	10.3	0.200	--	50.6	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	86		60-140



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-10
 Client ID: IA011
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 22:33
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/14/22 21:25
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.075	0.020	--	0.472	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.035	0.020	--	0.237	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	89		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	88		60-140



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-11
 Client ID: IA010
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 22:38
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/14/22 22:43
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.498	0.200	--	2.46	0.989	--		1
Chloromethane	0.610	0.200	--	1.26	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	62.9	5.00	--	119	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	52.7	1.00	--	125	2.38	--		1
Trichlorofluoromethane	0.214	0.200	--	1.20	1.12	--		1
Isopropanol	21.0	0.500	--	51.6	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.970	0.500	--	2.86	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	1.41	0.500	--	4.16	1.47	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-11
 Client ID: IA010
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 22:38
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	6.47	0.200	--	22.8	0.705	--		1
Benzene	2.15	0.200	--	6.87	0.639	--		1
Cyclohexane	2.32	0.200	--	7.99	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	5.10	0.200	--	23.8	0.934	--		1
Heptane	4.77	0.200	--	19.5	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.515	0.500	--	2.11	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	16.6	0.200	--	62.6	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	2.84	0.200	--	12.3	0.869	--		1
p/m-Xylene	10.6	0.400	--	46.0	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	4.20	0.200	--	18.2	0.869	--		1
4-Ethyltoluene	0.884	0.200	--	4.35	0.983	--		1
1,3,5-Trimethylbenzene	1.11	0.200	--	5.46	0.983	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-11
 Client ID: IA010
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 22:38
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	4.24	0.200	--	20.8	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	86		60-140



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-11
 Client ID: IA010
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 22:38
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/14/22 22:43
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.081	0.020	--	0.510	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.026	0.020	--	0.176	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	88		60-140
bromochloromethane	85		60-140
chlorobenzene-d5	86		60-140



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-12
 Client ID: IA004
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 23:01
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/14/22 23:21
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.494	0.200	--	2.44	0.989	--		1
Chloromethane	0.611	0.200	--	1.26	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	16.0	5.00	--	30.1	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	12.2	1.00	--	29.0	2.38	--		1
Trichlorofluoromethane	0.200	0.200	--	1.12	1.12	--		1
Isopropanol	2.37	0.500	--	5.83	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.969	0.500	--	2.86	1.47	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-12
 Client ID: IA004
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 23:01
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.546	0.200	--	1.92	0.705	--		1
Benzene	0.340	0.200	--	1.09	0.639	--		1
Cyclohexane	0.225	0.200	--	0.774	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	0.491	0.200	--	2.29	0.934	--		1
Heptane	0.466	0.200	--	1.91	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	2.60	0.200	--	9.80	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.335	0.200	--	1.46	0.869	--		1
p/m-Xylene	1.26	0.400	--	5.47	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.494	0.200	--	2.15	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-12
 Client ID: IA004
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 23:01
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	0.508	0.200	--	2.50	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	87		60-140



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-12
 Client ID: IA004
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 23:01
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/14/22 23:21
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.074	0.020	--	0.465	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	88		60-140



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-13
 Client ID: SV009
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 23:14
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 03/15/22 05:04
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.489	0.200	--	2.42	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	54.8	5.00	--	103	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	85.8	1.00	--	204	2.38	--		1
Trichlorofluoromethane	0.208	0.200	--	1.17	1.12	--		1
Isopropanol	8.01	0.500	--	19.7	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	3.47	0.500	--	10.5	1.52	--		1
Methylene chloride	0.849	0.500	--	2.95	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.500	0.200	--	1.56	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.34	0.500	--	3.95	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-13
 Client ID: SV009
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 23:14
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	0.533	0.500	--	1.92	1.80	--		1
Chloroform	0.246	0.200	--	1.20	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.421	0.200	--	1.48	0.705	--		1
1,1,1-Trichloroethane	2.08	0.200	--	11.3	1.09	--		1
Benzene	0.258	0.200	--	0.824	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.368	0.200	--	1.27	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	0.740	0.200	--	2.67	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.353	0.200	--	1.45	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	9.36	0.200	--	35.3	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.742	0.200	--	5.03	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	3.94	0.200	--	17.1	0.869	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-13
 Client ID: SV009
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 23:14
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	3.74	0.400	--	16.2	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.86	0.200	--	8.08	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	99		60-140



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-14
 Client ID: IA009
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 23:16
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/15/22 00:00
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.502	0.200	--	2.48	0.989	--		1
Chloromethane	0.622	0.200	--	1.28	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	27.7	5.00	--	52.2	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	20.6	1.00	--	48.9	2.38	--		1
Trichlorofluoromethane	0.209	0.200	--	1.17	1.12	--		1
Isopropanol	4.92	0.500	--	12.1	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-14
 Client ID: IA009
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 23:16
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.26	0.200	--	4.44	0.705	--		1
Benzene	0.577	0.200	--	1.84	0.639	--		1
Cyclohexane	0.554	0.200	--	1.91	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	1.11	0.200	--	5.18	0.934	--		1
Heptane	1.07	0.200	--	4.39	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	4.94	0.200	--	18.6	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.658	0.200	--	2.86	0.869	--		1
p/m-Xylene	2.49	0.400	--	10.8	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.966	0.200	--	4.20	0.869	--		1
4-Ethyltoluene	0.238	0.200	--	1.17	0.983	--		1
1,3,5-Trimethylbenzene	0.257	0.200	--	1.26	0.983	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-14
 Client ID: IA009
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 23:16
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	1.03	0.200	--	5.06	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	89		60-140



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-14
 Client ID: IA009
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 23:16
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/15/22 00:00
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.068	0.020	--	0.428	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.032	0.020	--	0.217	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	90		60-140



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-15
 Client ID: IA012
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 23:30
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/15/22 00:38
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.502	0.200	--	2.48	0.989	--		1
Chloromethane	0.620	0.200	--	1.28	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	176	5.00	--	332	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	69.0	1.00	--	164	2.38	--		1
Trichlorofluoromethane	0.215	0.200	--	1.21	1.12	--		1
Isopropanol	31.0	0.500	--	76.2	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.683	0.500	--	2.01	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	11.5	0.500	--	33.9	1.47	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-15
 Client ID: IA012
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 23:30
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	5.75	0.200	--	20.3	0.705	--		1
Benzene	2.08	0.200	--	6.64	0.639	--		1
Cyclohexane	2.01	0.200	--	6.92	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	4.06	0.200	--	19.0	0.934	--		1
Heptane	4.20	0.200	--	17.2	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	14.8	0.200	--	55.8	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	2.00	0.200	--	8.69	0.869	--		1
p/m-Xylene	7.33	0.400	--	31.8	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	2.78	0.200	--	12.1	0.869	--		1
4-Ethyltoluene	0.549	0.200	--	2.70	0.983	--		1
1,3,5-Trimethylbenzene	0.586	0.200	--	2.88	0.983	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-15
 Client ID: IA012
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 23:30
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	2.20	0.200	--	10.8	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	91		60-140



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-15
 Client ID: IA012
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 23:30
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/15/22 00:38
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.072	0.020	--	0.453	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.035	0.020	--	0.237	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	91		60-140



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-16
 Client ID: OA001
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 23:33
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/14/22 18:12
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.476	0.200	--	2.35	0.989	--		1
Chloromethane	0.602	0.200	--	1.24	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.50	1.00	--	5.94	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	0.589	0.500	--	1.45	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	5.05	0.500	--	14.9	1.47	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-16
 Client ID: OA001
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 23:33
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.205	0.200	--	0.655	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.527	0.200	--	1.99	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-16
 Client ID: OA001
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 23:33
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	100		60-140



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-16
 Client ID: OA001
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 23:33
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/14/22 18:12
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.079	0.020	--	0.497	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	99		60-140
bromochloromethane	102		60-140
chlorobenzene-d5	100		60-140



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-17
 Client ID: IA003
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 23:32
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/15/22 01:16
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.496	0.200	--	2.45	0.989	--		1
Chloromethane	0.608	0.200	--	1.26	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	249	5.00	--	469	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	37.3	1.00	--	88.6	2.38	--		1
Trichlorofluoromethane	0.233	0.200	--	1.31	1.12	--		1
Isopropanol	17.6	0.500	--	43.3	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	41.3	0.500	--	122	1.47	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-17
 Client ID: IA003
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 23:32
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	5.81	0.200	--	20.5	0.705	--		1
Benzene	2.12	0.200	--	6.77	0.639	--		1
Cyclohexane	2.09	0.200	--	7.19	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	4.27	0.200	--	19.9	0.934	--		1
Heptane	4.23	0.200	--	17.3	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	13.8	0.200	--	52.0	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	2.18	0.200	--	9.47	0.869	--		1
p/m-Xylene	8.05	0.400	--	35.0	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	3.11	0.200	--	13.5	0.869	--		1
4-Ethyltoluene	0.670	0.200	--	3.29	0.983	--		1
1,3,5-Trimethylbenzene	0.688	0.200	--	3.38	0.983	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-17
 Client ID: IA003
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 23:32
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	2.54	0.200	--	12.5	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	92		60-140



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-17
 Client ID: IA003
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 23:32
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/15/22 01:16
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.073	0.020	--	0.459	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.046	0.020	--	0.312	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	91		60-140



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-18
 Client ID: SV003
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 23:33
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 03/15/22 05:43
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.489	0.200	--	2.42	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	0.434	0.200	--	0.960	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	142	5.00	--	268	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	29.1	1.00	--	69.1	2.38	--		1
Trichlorofluoromethane	0.899	0.200	--	5.05	1.12	--		1
Isopropanol	4.69	0.500	--	11.5	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.26	0.500	--	3.82	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.327	0.200	--	1.02	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.57	0.500	--	4.63	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-18
 Client ID: SV003
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 23:33
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	1.44	0.500	--	5.19	1.80	--		1
Chloroform	0.245	0.200	--	1.20	0.977	--		1
Tetrahydrofuran	2.63	0.500	--	7.76	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	2.02	0.200	--	7.12	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.531	0.200	--	1.70	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.803	0.200	--	2.76	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	0.423	0.200	--	1.98	0.934	--		1
Heptane	0.765	0.200	--	3.14	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	7.73	0.200	--	29.1	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.508	0.200	--	3.44	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	2.98	0.200	--	12.9	0.869	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-18
 Client ID: SV003
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 23:33
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	2.83	0.400	--	12.3	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.35	0.200	--	5.86	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	96		60-140



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-19 D
 Client ID: SV004
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 23:49
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 03/15/22 06:21
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.554	0.231	--	2.74	1.14	--		1.156
Chloromethane	ND	0.231	--	ND	0.477	--		1.156
Freon-114	ND	0.231	--	ND	1.61	--		1.156
Vinyl chloride	ND	0.231	--	ND	0.590	--		1.156
1,3-Butadiene	ND	0.231	--	ND	0.511	--		1.156
Bromomethane	ND	0.231	--	ND	0.897	--		1.156
Chloroethane	ND	0.231	--	ND	0.610	--		1.156
Ethanol	146	5.78	--	275	10.9	--		1.156
Vinyl bromide	ND	0.231	--	ND	1.01	--		1.156
Acetone	46.8	1.16	--	111	2.76	--		1.156
Trichlorofluoromethane	1.93	0.231	--	10.8	1.30	--		1.156
Isopropanol	6.84	0.578	--	16.8	1.42	--		1.156
1,1-Dichloroethene	ND	0.231	--	ND	0.916	--		1.156
Tertiary butyl Alcohol	1.48	0.578	--	4.49	1.75	--		1.156
Methylene chloride	0.614	0.578	--	2.13	2.01	--		1.156
3-Chloropropene	ND	0.231	--	ND	0.723	--		1.156
Carbon disulfide	0.474	0.231	--	1.48	0.719	--		1.156
Freon-113	ND	0.231	--	ND	1.77	--		1.156
trans-1,2-Dichloroethene	ND	0.231	--	ND	0.916	--		1.156
1,1-Dichloroethane	ND	0.231	--	ND	0.935	--		1.156
Methyl tert butyl ether	ND	0.231	--	ND	0.833	--		1.156
2-Butanone	0.933	0.578	--	2.75	1.70	--		1.156
cis-1,2-Dichloroethene	ND	0.231	--	ND	0.916	--		1.156



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-19 D
 Client ID: SV004
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 23:49
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	1.47	0.578	--	5.30	2.08	--		1.156
Chloroform	ND	0.231	--	ND	1.13	--		1.156
Tetrahydrofuran	1.21	0.578	--	3.57	1.70	--		1.156
1,2-Dichloroethane	ND	0.231	--	ND	0.935	--		1.156
n-Hexane	2.46	0.231	--	8.67	0.814	--		1.156
1,1,1-Trichloroethane	ND	0.231	--	ND	1.26	--		1.156
Benzene	1.82	0.231	--	5.81	0.738	--		1.156
Carbon tetrachloride	ND	0.231	--	ND	1.45	--		1.156
Cyclohexane	1.55	0.231	--	5.34	0.795	--		1.156
1,2-Dichloropropane	ND	0.231	--	ND	1.07	--		1.156
Bromodichloromethane	ND	0.231	--	ND	1.55	--		1.156
1,4-Dioxane	ND	0.231	--	ND	0.832	--		1.156
Trichloroethene	ND	0.231	--	ND	1.24	--		1.156
2,2,4-Trimethylpentane	0.481	0.231	--	2.25	1.08	--		1.156
Heptane	0.647	0.231	--	2.65	0.947	--		1.156
cis-1,3-Dichloropropene	ND	0.231	--	ND	1.05	--		1.156
4-Methyl-2-pentanone	ND	0.578	--	ND	2.37	--		1.156
trans-1,3-Dichloropropene	ND	0.231	--	ND	1.05	--		1.156
1,1,2-Trichloroethane	ND	0.231	--	ND	1.26	--		1.156
Toluene	17.2	0.231	--	64.8	0.871	--		1.156
2-Hexanone	0.261	0.231	--	1.07	0.947	--		1.156
Dibromochloromethane	ND	0.231	--	ND	1.97	--		1.156
1,2-Dibromoethane	ND	0.231	--	ND	1.78	--		1.156
Tetrachloroethene	ND	0.231	--	ND	1.57	--		1.156
Chlorobenzene	ND	0.231	--	ND	1.06	--		1.156
Ethylbenzene	6.55	0.231	--	28.5	1.00	--		1.156



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-19 D
 Client ID: SV004
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 23:49
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	5.64	0.462	--	24.5	2.01	--		1.156
Bromoform	ND	0.231	--	ND	2.39	--		1.156
Styrene	0.231	0.231	--	0.984	0.984	--		1.156
1,1,2,2-Tetrachloroethane	ND	0.231	--	ND	1.59	--		1.156
o-Xylene	2.94	0.231	--	12.8	1.00	--		1.156
4-Ethyltoluene	ND	0.231	--	ND	1.14	--		1.156
1,3,5-Trimethylbenzene	ND	0.231	--	ND	1.14	--		1.156
1,2,4-Trimethylbenzene	ND	0.231	--	ND	1.14	--		1.156
Benzyl chloride	ND	0.231	--	ND	1.20	--		1.156
1,3-Dichlorobenzene	ND	0.231	--	ND	1.39	--		1.156
1,4-Dichlorobenzene	ND	0.231	--	ND	1.39	--		1.156
1,2-Dichlorobenzene	ND	0.231	--	ND	1.39	--		1.156
1,2,4-Trichlorobenzene	ND	0.231	--	ND	1.71	--		1.156
Hexachlorobutadiene	ND	0.231	--	ND	2.46	--		1.156

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	98		60-140



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-20
 Client ID: SV007
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 23:39
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 03/15/22 07:00
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.693	0.200	--	3.43	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	0.200	0.200	--	0.511	0.511	--		1
1,3-Butadiene	0.319	0.200	--	0.706	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	140	5.00	--	264	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	47.0	1.00	--	112	2.38	--		1
Trichlorofluoromethane	0.431	0.200	--	2.42	1.12	--		1
Isopropanol	9.66	0.500	--	23.7	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.69	0.500	--	5.12	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.15	0.200	--	3.58	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.74	0.500	--	5.13	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-20
 Client ID: SV007
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 23:39
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	2.42	0.500	--	8.72	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	1.82	0.500	--	5.37	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.56	0.200	--	5.50	0.705	--		1
1,1,1-Trichloroethane	24.8	0.200	--	135	1.09	--		1
Benzene	0.929	0.200	--	2.97	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.949	0.200	--	3.27	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	1.02	0.200	--	5.48	1.07	--		1
2,2,4-Trimethylpentane	0.700	0.200	--	3.27	0.934	--		1
Heptane	0.923	0.200	--	3.78	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	33.9	0.200	--	128	0.754	--		1
2-Hexanone	0.428	0.200	--	1.75	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	30.8	0.200	--	209	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	13.5	0.200	--	58.6	0.869	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

SAMPLE RESULTS

Lab ID: L2212243-20
 Client ID: SV007
 Sample Location: 40-40 NORTHERN BLVD

Date Collected: 03/08/22 23:39
 Date Received: 03/09/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	10.9	0.400	--	47.3	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.450	0.200	--	1.92	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	5.81	0.200	--	25.2	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.458	0.200	--	2.25	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	0.212	0.200	--	1.27	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	98		60-140



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/14/22 16:01

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-20 Batch: WG1615508-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/14/22 16:01

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-20 Batch: WG1615508-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/14/22 16:01

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-20 Batch: WG1615508-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 03/14/22 16:40

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 02-03,05,07,10-12,14-17 Batch: WG1615509-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-20 Batch: WG1615508-3								
Dichlorodifluoromethane	92		-		70-130	-		
Chloromethane	96		-		70-130	-		
Freon-114	95		-		70-130	-		
Vinyl chloride	88		-		70-130	-		
1,3-Butadiene	101		-		70-130	-		
Bromomethane	92		-		70-130	-		
Chloroethane	84		-		70-130	-		
Ethanol	91		-		40-160	-		
Vinyl bromide	85		-		70-130	-		
Acetone	102		-		40-160	-		
Trichlorofluoromethane	85		-		70-130	-		
Isopropanol	101		-		40-160	-		
1,1-Dichloroethene	89		-		70-130	-		
Tertiary butyl Alcohol	84		-		70-130	-		
Methylene chloride	96		-		70-130	-		
3-Chloropropene	92		-		70-130	-		
Carbon disulfide	89		-		70-130	-		
Freon-113	89		-		70-130	-		
trans-1,2-Dichloroethene	85		-		70-130	-		
1,1-Dichloroethane	86		-		70-130	-		
Methyl tert butyl ether	90		-		70-130	-		
2-Butanone	87		-		70-130	-		
cis-1,2-Dichloroethene	89		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

Parameter	LCS	Qual	LCS	Qual	%Recovery	RPD	Qual	RPD
	%Recovery		%Recovery		Limits			Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-20 Batch: WG1615508-3								
Ethyl Acetate	90		-		70-130	-		
Chloroform	99		-		70-130	-		
Tetrahydrofuran	85		-		70-130	-		
1,2-Dichloroethane	83		-		70-130	-		
n-Hexane	101		-		70-130	-		
1,1,1-Trichloroethane	93		-		70-130	-		
Benzene	94		-		70-130	-		
Carbon tetrachloride	102		-		70-130	-		
Cyclohexane	103		-		70-130	-		
1,2-Dichloropropane	92		-		70-130	-		
Bromodichloromethane	108		-		70-130	-		
1,4-Dioxane	108		-		70-130	-		
Trichloroethene	103		-		70-130	-		
2,2,4-Trimethylpentane	101		-		70-130	-		
Heptane	98		-		70-130	-		
cis-1,3-Dichloropropene	106		-		70-130	-		
4-Methyl-2-pentanone	101		-		70-130	-		
trans-1,3-Dichloropropene	91		-		70-130	-		
1,1,2-Trichloroethane	96		-		70-130	-		
Toluene	91		-		70-130	-		
2-Hexanone	98		-		70-130	-		
Dibromochloromethane	106		-		70-130	-		
1,2-Dibromoethane	96		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-20 Batch: WG1615508-3								
Tetrachloroethene	102		-		70-130	-		
Chlorobenzene	99		-		70-130	-		
Ethylbenzene	96		-		70-130	-		
p/m-Xylene	96		-		70-130	-		
Bromoform	105		-		70-130	-		
Styrene	94		-		70-130	-		
1,1,2,2-Tetrachloroethane	108		-		70-130	-		
o-Xylene	98		-		70-130	-		
4-Ethyltoluene	94		-		70-130	-		
1,3,5-Trimethylbenzene	89		-		70-130	-		
1,2,4-Trimethylbenzene	99		-		70-130	-		
Benzyl chloride	92		-		70-130	-		
1,3-Dichlorobenzene	98		-		70-130	-		
1,4-Dichlorobenzene	94		-		70-130	-		
1,2-Dichlorobenzene	97		-		70-130	-		
1,2,4-Trichlorobenzene	107		-		70-130	-		
Hexachlorobutadiene	105		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02-03,05,07,10-12,14-17 Batch: WG1615509-3								
Vinyl chloride	91		-		70-130	-		25
1,1-Dichloroethene	92		-		70-130	-		25
cis-1,2-Dichloroethene	91		-		70-130	-		25
1,1,1-Trichloroethane	93		-		70-130	-		25
Carbon tetrachloride	97		-		70-130	-		25
Trichloroethene	104		-		70-130	-		25
Tetrachloroethene	103		-		70-130	-		25

Lab Duplicate Analysis

Batch Quality Control

Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-20 QC Batch ID: WG1615508-5 QC Sample: L2212243-10 Client ID: IA011						
Dichlorodifluoromethane	0.503	0.493	ppbV	2		25
Chloromethane	0.618	0.621	ppbV	0		25
Freon-114	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	104	97.1	ppbV	7		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	77.6	73.8	ppbV	5		25
Trichlorofluoromethane	0.202	0.202	ppbV	0		25
Isopropanol	38.6	39.1	ppbV	1		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	ND	ND	ppbV	NC		25
Ethyl Acetate	ND	ND	ppbV	NC		25

Lab Duplicate Analysis

Batch Quality Control

Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-20 QC Batch ID: WG1615508-5 QC Sample: L2212243-10 Client ID: IA011						
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	1.83	1.83	ppbV	0		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	13.1	13.1	ppbV	0		25
Benzene	4.23	4.22	ppbV	0		25
Cyclohexane	4.67	4.71	ppbV	1		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	10.9	11.0	ppbV	1		25
Heptane	9.39	9.44	ppbV	1		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	0.940	0.945	ppbV	1		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	35.0	35.1	ppbV	0		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	5.96	5.93	ppbV	1		25

Lab Duplicate Analysis

Batch Quality Control

Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-20 QC Batch ID: WG1615508-5 QC Sample: L2212243-10 Client ID: IA011						
p/m-Xylene	22.2	22.3	ppbV	0		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	0.419	0.427	ppbV	2		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	8.94	9.00	ppbV	1		25
4-Ethyltoluene	2.23	2.37	ppbV	6		25
1,3,5-Trimethylbenzene	2.62	2.64	ppbV	1		25
1,2,4-Trimethylbenzene	10.3	10.3	ppbV	0		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis

Batch Quality Control

Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02-03,05,07,10-12,14-17 QC Batch ID: WG1615509-5 QC Sample: L2212243-10 Client ID: IA011						
Vinyl chloride	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Carbon tetrachloride	0.075	0.075	ppbV	0		25
Trichloroethene	ND	ND	ppbV	NC		25
Tetrachloroethene	0.035	0.037	ppbV	6		25

Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Serial_No: 03162216:20
Lab Number: L2212243
Report Date: 03/16/22

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2212243-01	SV006	01781	Flow 3	03/07/22	379652		-	-	-	Pass	18.0	18.8	4
L2212243-01	SV006	142	2.7L Can	03/07/22	379652	L2210789-06	Pass	-29.7	-4.3	-	-	-	-
L2212243-02	IA006	01951	Flow 3	03/07/22	379652		-	-	-	Pass	18.1	17.5	3
L2212243-02	IA006	387	2.7L Can	03/07/22	379652	L2210789-06	Pass	-29.7	-7.8	-	-	-	-
L2212243-03	IA007	0561	Flow 3	03/07/22	379652		-	-	-	Pass	18.4	18.2	1
L2212243-03	IA007	3023	2.7L Can	03/07/22	379652	L2210789-06	Pass	-29.6	-6.5	-	-	-	-
L2212243-04	SV008	0971	Flow 3	03/07/22	379652		-	-	-	Pass	18.0	19.0	5
L2212243-04	SV008	3213	2.7L Can	03/07/22	379652	L2210789-06	Pass	-29.8	-4.3	-	-	-	-
L2212243-05	IA008	01545	Flow 3	03/07/22	379652		-	-	-	Pass	18.3	18.2	1
L2212243-05	IA008	535	2.7L Can	03/07/22	379652	L2210789-06	Pass	-29.7	-7.2	-	-	-	-
L2212243-06	SV005	0696	Flow 4	03/07/22	379652		-	-	-	Pass	18.0	17.1	5
L2212243-06	SV005	2850	2.7L Can	03/07/22	379652	L2210522-02	Pass	-29.7	-6.4	-	-	-	-
L2212243-07	IA005	01824	Flow 3	03/07/22	379652		-	-	-	Pass	18.2	15.3	17
L2212243-07	IA005	423	2.7L Can	03/07/22	379652	L2210522-02	Pass	-29.7	-8.0	-	-	-	-
L2212243-08	SV010	01793	Flow 3	03/07/22	379652		-	-	-	Pass	18.0	18.8	4

Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Serial_No: 03162216:20
Lab Number: L2212243
Report Date: 03/16/22

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2212243-08	SV010	2199	2.7L Can	03/07/22	379652	L2210522-02	Pass	-29.7	-4.3	-	-	-	-
L2212243-09	SV011	01548	Flow 3	03/07/22	379652		-	-	-	Pass	18.4	21.0	13
L2212243-09	SV011	2451	2.7L Can	03/07/22	379652	L2210789-06	Pass	-29.6	-3.1	-	-	-	-
L2212243-10	IA011	01948	Flow 3	03/07/22	379652		-	-	-	Pass	18.3	19.5	6
L2212243-10	IA011	2230	2.7L Can	03/07/22	379652	L2210789-06	Pass	-29.6	-4.0	-	-	-	-
L2212243-11	IA010	01611	Flow 4	03/07/22	379652		-	-	-	Pass	18.2	15.2	18
L2212243-11	IA010	2421	2.7L Can	03/07/22	379652	L2210522-02	Pass	-29.7	-5.6	-	-	-	-
L2212243-12	IA004	01709	Flow 3	03/07/22	379652		-	-	-	Pass	18.0	19.3	7
L2212243-12	IA004	248	2.7L Can	03/07/22	379652	L2210789-06	Pass	-29.6	-4.1	-	-	-	-
L2212243-13	SV009	01080	Flow 2	03/07/22	379652		-	-	-	Pass	18.1	19.5	7
L2212243-13	SV009	2769	2.7L Can	03/07/22	379652	L2210789-06	Pass	-29.6	-3.9	-	-	-	-
L2212243-14	IA009	01941	Flow 3	03/07/22	379652		-	-	-	Pass	18.0	15.9	12
L2212243-14	IA009	1746	2.7L Can	03/07/22	379652	L2210789-06	Pass	-29.5	-6.8	-	-	-	-
L2212243-15	IA012	0927	Flow 3	03/07/22	379652		-	-	-	Pass	18.4	19.1	4
L2212243-15	IA012	3019	2.7L Can	03/07/22	379652	L2210789-06	Pass	-29.7	-2.3	-	-	-	-



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Serial_No: 03162216:20
Lab Number: L2212243
Report Date: 03/16/22

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2212243-16	OA001	0648	Flow 2	03/07/22	379652		-	-	-	Pass	18.3	18.0	2
L2212243-16	OA001	2874	2.7L Can	03/07/22	379652	L2210789-06	Pass	-29.6	-4.1	-	-	-	-
L2212243-17	IA003	01099	Flow 3	03/07/22	379652		-	-	-	Pass	18.3	18.6	2
L2212243-17	IA003	2867	2.7L Can	03/07/22	379652	L2210789-06	Pass	-29.6	-2.3	-	-	-	-
L2212243-18	SV003	01934	Flow 5	03/07/22	379652		-	-	-	Pass	18.0	19.1	6
L2212243-18	SV003	3177	2.7L Can	03/07/22	379652	L2210789-06	Pass	-29.7	-1.6	-	-	-	-
L2212243-19	SV004	01392	Flow 3	03/07/22	379652		-	-	-	Pass	18.1	15.5	15
L2212243-19	SV004	3017	2.7L Can	03/07/22	379652	L2210789-06	Pass	-29.6	-10.3	-	-	-	-
L2212243-20	SV007	0069	Flow 3	03/07/22	379652		-	-	-	Pass	18.3	7.5	84
L2212243-20	SV007	1732	2.7L Can	03/07/22	379652	L2210789-06	Pass	-29.6	-8.3	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2210522
Report Date: 03/16/22

Air Canister Certification Results

Lab ID: L2210522-02
 Client ID: CAN 500 SHELF 9
 Sample Location:

Date Collected: 02/28/22 18:00
 Date Received: 03/01/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/01/22 21:13
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2210522
Report Date: 03/16/22

Air Canister Certification Results

Lab ID: L2210522-02
 Client ID: CAN 500 SHELF 9
 Sample Location:

Date Collected: 02/28/22 18:00
 Date Received: 03/01/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2210522
Report Date: 03/16/22

Air Canister Certification Results

Lab ID: L2210522-02
 Client ID: CAN 500 SHELF 9
 Sample Location:

Date Collected: 02/28/22 18:00
 Date Received: 03/01/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2210522
Report Date: 03/16/22

Air Canister Certification Results

Lab ID: L2210522-02
 Client ID: CAN 500 SHELF 9
 Sample Location:

Date Collected: 02/28/22 18:00
 Date Received: 03/01/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2210522
Report Date: 03/16/22

Air Canister Certification Results

Lab ID: L2210522-02
 Client ID: CAN 500 SHELF 9
 Sample Location:

Date Collected: 02/28/22 18:00
 Date Received: 03/01/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	89		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2210522
Report Date: 03/16/22

Air Canister Certification Results

Lab ID: L2210522-02
 Client ID: CAN 500 SHELF 9
 Sample Location:

Date Collected: 02/28/22 18:00
 Date Received: 03/01/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/01/22 21:13
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2210522
Report Date: 03/16/22

Air Canister Certification Results

Lab ID: L2210522-02
 Client ID: CAN 500 SHELF 9
 Sample Location:

Date Collected: 02/28/22 18:00
 Date Received: 03/01/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2210522
Report Date: 03/16/22

Air Canister Certification Results

Lab ID: L2210522-02
 Client ID: CAN 500 SHELF 9
 Sample Location:

Date Collected: 02/28/22 18:00
 Date Received: 03/01/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	97		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	94		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2210789
Report Date: 03/16/22

Air Canister Certification Results

Lab ID: L2210789-06
 Client ID: CAN 556 SHELF 1
 Sample Location:

Date Collected: 03/02/22 09:00
 Date Received: 03/02/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/02/22 22:40
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2210789
Report Date: 03/16/22

Air Canister Certification Results

Lab ID: L2210789-06
 Client ID: CAN 556 SHELF 1
 Sample Location:

Date Collected: 03/02/22 09:00
 Date Received: 03/02/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2210789
Report Date: 03/16/22

Air Canister Certification Results

Lab ID: L2210789-06
 Client ID: CAN 556 SHELF 1
 Sample Location:

Date Collected: 03/02/22 09:00
 Date Received: 03/02/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2210789
Report Date: 03/16/22

Air Canister Certification Results

Lab ID: L2210789-06
 Client ID: CAN 556 SHELF 1
 Sample Location:

Date Collected: 03/02/22 09:00
 Date Received: 03/02/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2210789
Report Date: 03/16/22

Air Canister Certification Results

Lab ID: L2210789-06
 Client ID: CAN 556 SHELF 1
 Sample Location:

Date Collected: 03/02/22 09:00
 Date Received: 03/02/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	75		60-140
Bromochloromethane	72		60-140
chlorobenzene-d5	83		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2210789
Report Date: 03/16/22

Air Canister Certification Results

Lab ID: L2210789-06
 Client ID: CAN 556 SHELF 1
 Sample Location:

Date Collected: 03/02/22 09:00
 Date Received: 03/02/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/02/22 22:40
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2210789
Report Date: 03/16/22

Air Canister Certification Results

Lab ID: L2210789-06
 Client ID: CAN 556 SHELF 1
 Sample Location:

Date Collected: 03/02/22 09:00
 Date Received: 03/02/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2210789
Report Date: 03/16/22

Air Canister Certification Results

Lab ID: L2210789-06
 Client ID: CAN 556 SHELF 1
 Sample Location:

Date Collected: 03/02/22 09:00
 Date Received: 03/02/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	75		60-140
bromochloromethane	74		60-140
chlorobenzene-d5	83		60-140



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler **Custody Seal**
NA Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2212243-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2212243-02A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2212243-03A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2212243-04A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2212243-05A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2212243-06A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2212243-07A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2212243-08A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2212243-09A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2212243-10A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2212243-11A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2212243-12A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2212243-13A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2212243-14A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2212243-15A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2212243-16A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2212243-17A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2212243-18A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2212243-19A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2212243-20A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)

Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

GLOSSARY

Acronyms

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

Report Format: Data Usability Report



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

Report Format: Data Usability Report



Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

Data Qualifiers

the identification is based on a mass spectral library search.

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

Project Name: GIC QUEENS
Project Number: 3883.0001Y000

Lab Number: L2212243
Report Date: 03/16/22

REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

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

EPA 625/625.1: alpha-Terpineol

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

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

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

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

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

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

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

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

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

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

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

Non-Potable Water

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

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

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

EPA 624.1: Volatile Halocarbons & Aromatics,

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

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

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

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

Mansfield Facility:

Drinking Water

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

EPA 522, EPA 537.1.

Non-Potable Water

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

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

EPA 245.1 Hg.

SM2340B

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



AIR ANALYSIS

PAGE 1 OF 2

320 Forbes Blvd, Mansfield, MA 02048
 TEL: 508-822-9390 FAX: 508-822-3288

Client Information

Client: ~~XXXX~~ Roux
 Address: 209 Shafter St
 Islandia, NY 11749
 Phone: 631-232-2600
 Fax:
 Email: ebutter@rouxinc.com

Project Information

Project Name: GIC Queens
 Project Location: 40-40 Northern Blvd
 Project #: 3883,0001Y00D
 Project Manager: Emily Butler
 ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: Time:

Date Rec'd in Lab: 3/10/22

Report Information - Data Deliverables

FAX
 ADEx
 Criteria Checker:
 (Default based on Regulatory Criteria Indicated)
 Other Formats:
 EMAIL (standard pdf report)
 Additional Deliverables:
 Report to: (if different than Project Manager)

ALPHA Job #: L2212243

Billing Information

Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

These samples have been previously analyzed by Alpha
 Other Project Specific Requirements/Comments:

Project-Specific Target Compound List:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION						Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH <input type="checkbox"/> Substr. Non-petroleum HCs	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum												
12243-01	SV006	3/8/22	1932	2132	-30.13	-5.56	SV	DK	1L	142	01781	X						
-02	IA006	3/8/22	1933	2132	-30.25	-8.14	AA	DK	1L	387	01951	X						
-03	FA007	3/8/22	1918	2118	-29.97	-7.24	AA	DK	1L	323	0561	X						
-04	SV008	3/8/22	1943	2147	-30.20	-5.53	SV	DK	1L	323	0971	X						
-05	IA008	3/8/22	1945	2147	-30.14	-7.93	AA	DK	1L	535	01545	X						
-06	SV005	3/8/22	2000	2204	-30.13	-7.65	SV	DK	1L	2850	0696	X						
-07	IA005	3/8/22	2003	2215	-30.08	-8.87	AA	DK	1L	423	01824	X						
-08	SV010	3/8/22	2020	2222	-30.09	-5.52	SV	DK	1L	2199	0773	X						
-09	SV011	3/8/22	2032	2229	-30.23	-4.52	SV	DK	1L	2451	0548	X						
-10	IA011	3/8/22	2034	2233	-30.05	-5.26	AA	DK	1L	2230	01948	X						

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
 SV = Soil Vapor/Landfill Gas/SVE
 Other = Please Specify

Container Type

CSLS

Relinquished By:	Date/Time	Received By:	Date/Time
<i>[Signature]</i>	3/9/22 1220	<i>[Signature]</i>	3/9/22 12:20
<i>[Signature]</i>	3/9/22 18:00	<i>[Signature]</i>	3/10/22 07:20
<i>[Signature]</i>	3/10/22 1300	<i>[Signature]</i>	3/10/22 1300

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



AIR ANALYSIS

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
 TEL: 508-822-9300 FAX: 508-822-3288

PAGE 2 OF 2

Date Rec'd in Lab: 3/10/22

ALPHA Job #: L22/2243

Client Information

Client: ROUX
 Address: 209 Shaffer St
Islandia, NY 11749
 Phone: 631-232-2600
 Fax:
 Email: ebutler@rouxinc.com

Project Information

Project Name: GIC Queens
 Project Location: 40-40 Northern Blvd
 Project #: 3883,0001 Y000
 Project Manager: Emily Butler
 ALPHA Quote #:

Report Information - Data Deliverables

FAX
 ADEX
 Criteria Checker:
 (Default based on Regulatory Criteria Indicated)
 Other Formats:
 EMAIL (standard pdf report)
 Additional Deliverables:
 Report to: (if different than Project Manager)

Billing Information

Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program Res / Comm

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)

Date Due: Time:

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List:

ANALYSIS

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION					Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH <small>Subtract Non-petroleum HCs</small>	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum											
<u>12243-11</u>	<u>IA010</u>	<u>3/8/22</u>	<u>2021</u>	<u>2238</u>	<u>-30.29</u>	<u>-8.93</u>	<u>AA</u>	<u>DK</u>	<u>1L</u>	<u>2421</u>	<u>01611</u>	<u>X</u>					
<u>-12</u>	<u>IA004</u>	<u>3/8/22</u>	<u>2101</u>	<u>2301</u>	<u>-29.81</u>	<u>-5.24</u>	<u>AA</u>	<u>DK</u>	<u>1L</u>	<u>248</u>	<u>01709</u>	<u>X</u>					
<u>-13</u>	<u>SV009</u>	<u>3/8/22</u>	<u>2109</u>	<u>2314</u>	<u>-30.19</u>	<u>-5.55</u>	<u>SV</u>	<u>DK</u>	<u>1L</u>	<u>2769</u>	<u>01080</u>	<u>X</u>					
<u>-14</u>	<u>IA009</u>	<u>3/8/22</u>	<u>2110</u>	<u>2316</u>	<u>-30.25</u>	<u>-8.17</u>	<u>AA</u>	<u>DK</u>	<u>1L</u>	<u>1746</u>	<u>01441</u>	<u>X</u>					
<u>-15</u>	<u>IA012</u>	<u>3/8/22</u>	<u>2109</u>	<u>2330</u>	<u>-30.22</u>	<u>-2.51</u>	<u>AA</u>	<u>DK</u>	<u>1L</u>	<u>3019</u>	<u>0927</u>	<u>X</u>					
<u>-16</u>	<u>OA001</u>	<u>3/8/22</u>	<u>2116</u>	<u>2333</u>	<u>-30.62</u>	<u>-7.38</u>	<u>AA</u>	<u>DK</u>	<u>1L</u>	<u>2874</u>	<u>0648</u>	<u>X</u>					
<u>-17</u>	<u>IA003</u>	<u>3/8/22</u>	<u>2112</u>	<u>2332</u>	<u>-30.50</u>	<u>-2.72</u>	<u>AA</u>	<u>DK</u>	<u>1L</u>	<u>2867</u>	<u>01099</u>	<u>X</u>					
<u>-18</u>	<u>SV003</u>	<u>3/8/22</u>	<u>2127</u>	<u>2333</u>	<u>-30.52</u>	<u>-4.37</u>	<u>SV</u>	<u>DK</u>	<u>1L</u>	<u>3177</u>	<u>01934</u>	<u>X</u>					
<u>-19</u>	<u>SV004</u>	<u>3/8/22</u>	<u>2059</u>	<u>2349</u>	<u>-30.18</u>	<u>-11.48</u>	<u>SV</u>	<u>DK</u>	<u>1L</u>	<u>3017</u>	<u>01592</u>	<u>X</u>					
<u>-20</u>	<u>SV007</u>	<u>3/8/22</u>	<u>1915</u>	<u>2359</u>	<u>-30.12</u>	<u>-9.34</u>	<u>SV</u>	<u>DK</u>	<u>1L</u>	<u>4732</u>	<u>00669</u>	<u>X</u>					

***SAMPLE MATRIX CODES**

AA = Ambient Air (Indoor/Outdoor)
 SV = Soil Vapor/Landfill Gas/SVE
 Other = Please Specify

Container Type

CS CS

Relinquished By: <u>[Signature]</u>	Date/Time: <u>3/9/22 12:20</u>	Received By: <u>[Signature]</u>	Date/Time: <u>3/9/22 12:20</u>
<u>[Signature]</u>	<u>3/9/22 18:20</u>	<u>[Signature]</u>	<u>3/10/22 08:20</u>
<u>[Signature]</u>	<u>3/10/22 13:00</u>	<u>[Signature]</u>	<u>3/10/22 13:00</u>

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.