

Phase II Environmental Site Assessment

November 9, 2018

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Conducted at:

**2335-2337 12th Avenue
New York, NY 10031**

Tax Map Designation:

Block 2001 Lots 110

Prepared for:

**2335 12th Avenue LLC
1867 Amsterdam Avenue
New York, NY 10031**

Prepared by:

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1.0 INTRODUCTION

Galli Engineering, P.C. (Galli) has prepared this report of Phase II Environmental Site Assessment (ESA) conducted on the properties located at 2335-2337 12th Avenue New York, NY herein identified as the “Subject Property”. The subject property is identified as New York City Tax Map Designation: Block 2001, Lot 110 and is shown on the site location map and Phase II site map.

1.1 Purpose

This Phase II ESA is intended to further study potential adverse environmental conditions at the subject property. Specifically, the purpose of the investigation is to assess potential subsurface soil and groundwater contamination at the subject property, due to the past uses of the subject property.

The laboratory results of soil samples collected as part of this investigation have been evaluated based on applicable standards and guidance values promulgated by the New York State Department of Environmental Conservation (NYSDEC) in the Subpart 375-6: “*Remedial Program Soil Cleanup Objectives*” for soil samples. Groundwater samples collected are compared to the NYSDEC TOGS 1.1.1 New York State Ambient Water Quality Standards.

Presented herein are the results of the sampling and analysis performed by Galli Engineering, P.C. as part of the Phase II ESA activities conducted on October 11th, 2018.

1.2 Background

The Subject Property is a three story commercial building located at 2335-2337 12th Avenue, Manhattan, NY. The subject property includes on rectangular-shaped parcel, indentified by the New York City Assessor’s Office as Block: 2001, Lot: 110. The lot area is 7,603 square feet and the building area is 22,500 square feet. The first, second and third floor contains a carpet and upholstery cleaning business, with offices on the second floor as well. The original building was constructed in or around 1920 and is constructed of masonry and steel. There are currently no manufacturing or industrial operations conducted at the Subject Property.

1.3 Scope of Work

The scope of work developed for this Phase II ESA is as follows:

- Perform a ground penetrating radar survey to clear sample locations;
- Advance eight soil borings throughout the property
- Collection of soil samples for analysis for USEPA 8260 VOCs, USEPA 8270 SVOCs,
- Installation of two groundwater monitoring wells;
- Collection and analysis of groundwater samples for USEPA 8260 VOCs, USEPA 8270 SVOCs.
- Prepare a Phase II ESA report describing environmental conditions, field activities, evaluation of findings, and recommendations.

This assessment is limited to the scope of work described above, and to the depths and locations tested as part of this assessment.

2.0 SITE ASSESSMENT METHODOLOGY

The Phase II ESA fieldwork was conducted on October 11, 2018. This work was conducted in accordance with industry practice and standards. Galli Engineering contracted P.G. Environmental to perform a ground penetrating radar survey, advance soil borings and install temporary groundwater monitoring wells at the subject property using two different drill rigs. A *Geoprobe 7712DT* was utilized for the borings in the loading bay. A transportable hydraulic hammer was utilized in the two borings in the eastern part of the building. The following sections provide a description of the fieldwork activities.

2.1 Soil Sampling

A total of eight soil borings were installed at the subject property and were designated SB-1 through SB-8. The soil borings were advanced using a *Geoprobe 7712* and *hydraulic hammer* unit to varying depths in order to characterize the quality of soil and determine if any contamination exists on site. SB-2 and SB-5 had refusals during the boring process. All soil boring locations are shown on the Site Sampling Plan provided in Appendix A. All boring logs are in Appendix A. Soil samples were collected from each boring, near the top of groundwater.

Grab soil samples were collected for analysis of volatile organics from six soil boring locations. Soil samples were taken from SB-1, SB-3, SB-4, SB-6, SB-7, and SB-8. The soil samples were placed into a set of laboratory supplied, clean pre-weighted methanol filled 40-ml VOAs; and 8-ounce glass jars fitted with Teflon lined caps using a single-use environmental grade disposable plastic scoop. Each jar was then labeled with designated sample identification, date and time of collection. Each soil sample jar was packed in a secure cooler with ice. The samples were then logged on a chain of custody document by sampling personnel, and remained in the custody of Galli Engineering until transport of the samples to the analytical laboratory. Soil samples were analyzed for EPA Method 8270 VOCs and EPA Method 8270 SVOC.

2.2 Groundwater Sampling

Two groundwater samples were collected from the property. GW-1 and GW-2 monitoring wells were installed at the property using a Geoprobe with dedicated tubing and summa canisters with 2-hour flow controllers. Both groundwater sample points were installed at a depth of 20 feet below grade. Both samples were located in the loading dock area of the building on the 1st floor closest to the underground storage tanks and aboveground mineral spirit tank. GW-1 and GW-2 correspond with Soil boring locations SB-3 and SB-7 respectfully.

Samples were submitted to a NYSDOH certified analytical laboratory and analyzed using United States Environmental Protection Agency (USEPA) Methods 8260/8270 to test for volatile organic compounds (VOCs) and semi volatile organic compounds (SVOCs).

3.0 LABORATORY ANALYTICAL RESULTS

3.1 Soil Sample Analytical Results

All soil samples were collected and analyzed returned results that were above the Soil Cleanup Objectives found in NYSDEC Table 375-6.8(a) for unrestricted use of soils. Soil borings SB-1, SB-3, SB-4, SB-6 and SB-7 had PID readings ranged from 60 ppm to 500ppm. When opening the sample tubes, a petroleum odor was noticed in all soil borings that had a total depth greater than 2'.

VOCs were found in all soil samples. The samples in SB-1, SB-3, SB-6 and SB-7 were diluted in order that the lab could analyze them. Lab results are presented in the table below. With the high PID readings and high petroleum odor, these low laboratory results are unexpected. Only sample SB-1, had exceedances of Part 375 Unrestricted. 1,2,4-Trimethylbenzene 8,100 ug/Kg and Total Xylenes 830 ug/kg were above their respective Part 375 standards of 3,600 ug/Kg and 260 ug/Kg. Additionally 1,2,4,5-Tetramethylbenzene, p-Diethylbenzene, p-Ethyltoluene, n-Butylbenzene and n-Propylbenzene were detected relatively high concentrations. These chemicals were below their Part 375 SCO or there was no Part 375 SCO listed.

SVOCs in the soil samples were unremarkable. The lab results mostly did not detect any Polycyclic Aromatic Hydrocarbons. The PAHs are associated with Historic or urban Fill in the New York City area, such as Benz(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene and Indeno(1,2,3-cd)pyrene were not detected. 2-Methynaphthalene and Phenanthrene were detected below the Part 375 Unrestricted SCOs.

A summary table of the soil analytical data is provided below. The laboratory analytical report is provided in Appendix C

SOIL SAMPLE RESULTS

Client Sample ID:	SB-1		SB-3		SB-4		SB-6		SB-7		SB-8	
Laboratory ID:	1810111-001		1810111-002		1810111-003		1810111-004		1810111-005		1810111-006	
Sampling Date:	10/11/2018		10/11/2018		10/11/2018		10/11/2018		10/11/2018		10/11/2018	
Analyte:	Units:		Q		Q		Q		Q		Q	
Percent Moisture	wt%	3.59		3.76		5.77		3.31		5.85		7.47
Biphenyl	PPB	25	U	25	U	26	U	25	U	26	U	26
1,2,4-Trichlorobenzene	PPB	25	U	25	U	26	U	25	U	26	U	26
1,2-Dichlorobenzene	PPB	25	U	25	U	26	U	25	U	26	U	26
1,3-Dichlorobenzene	PPB	25	U	25	U	26	U	25	U	26	U	26
1,4-Dichlorobenzene	PPB	25	U	25	U	26	U	25	U	26	U	26
2,4,5-Trichlorophenol	PPB	25	U	25	U	26	U	25	U	26	U	26
2,4,6-Trichlorophenol	PPB	25	U	25	U	26	U	25	U	26	U	26
2,4-Dichlorophenol	PPB	25	U	25	U	26	U	25	U	26	U	26
2,4-Dimethylphenol	PPB	25	U	25	U	26	U	25	U	26	U	26
2,4-Dinitrophenol	PPB	50	U	50	U	51	U	50	U	51	U	53
2,4-Dinitrotoluene	PPB	25	U	25	U	26	U	25	U	26	U	26
2,6-Dinitrotoluene	PPB	50	U	50	U	51	U	50	U	51	U	53
2-Chloronaphthalene	PPB	25	U	25	U	26	U	25	U	26	U	26
2-Chlorophenol	PPB	25	U	25	U	26	U	25	U	26	U	26
2-Methylnaphthalene	PPB	630		4000		26	U	5100	D	2000		26
2-Methylphenol	PPB	25	U	25	U	26	U	25	U	26	U	26
2-Nitroaniline	PPB	25	U	25	U	26	U	25	U	26	U	26
2-Nitrophenol	PPB	50	U	50	U	51	U	50	U	51	U	53
3+4-Methylphenol	PPB	25	U	25	U	26	U	25	U	26	U	26
3,3'-Dichlorobenzidine	PPB	25	U	25	U	26	U	25	U	26	U	26
3-Nitroaniline	PPB	25	U	25	U	26	U	25	U	26	U	26
4,6-Dinitro-2-methylphenol	PPB	50	U	50	U	51	U	50	U	51	U	53
4-Bromophenyl phenyl ether	PPB	25	U	25	U	26	U	25	U	26	U	26
4-Chloro-3-methylphenol	PPB	25	U	25	U	26	U	25	U	26	U	26
4-Chloroaniline	PPB	25	U	25	U	26	U	25	U	26	U	26
4-Chlorophenyl phenyl ether	PPB	25	U	25	U	26	U	25	U	26	U	26

SOIL SAMPLE RESULTS

SemiVolatile Organic Compounds												
4-Nitroaniline	PPB	25	U	25	U	26	U	25	U	26	U	26
4-Nitrophenol	PPB	50	U	50	U	51	U	50	U	51	U	53
Acenaphthene	PPB	25	U	220	J	26	U	25	U	87	J	26
Acenaphthylene	PPB	25	U	25	U	26	U	25	U	26	U	26
Acetophenone	PPB	25	U	25	U	26	U	25	U	26	U	26
Aniline	PPB	25	U	25	U	26	U	25	U	26	U	26
Anthracene	PPB	25	U	25	U	26	U	25	U	26	U	26
Atrazine	PPB	25	U	25	U	26	U	25	U	26	U	26
Azobenzene	PPB	25	U	25	U	26	U	25	U	26	U	26
Benzaldehyde	PPB	50	U	50	U	51	U	50	U	51	U	53
Benzidine	PPB	50	U	50	U	51	U	50	U	51	U	53
Benzo(a)anthracene	PPB	25	U	25	U	26	U	25	U	26	U	26
Benzo(a)pyrene	PPB	25	U	25	U	26	U	25	U	26	U	26
Benzo(b)fluoranthene	PPB	25	U	25	U	26	U	25	U	26	U	26
Benzo(g,h,i)perylene	PPB	25	U	25	U	26	U	25	U	26	U	26
Benzo(k)fluoranthene	PPB	25	U	25	U	26	U	25	U	26	U	26
Benzoic acid	PPB	50	U	50	U	51	U	50	U	51	U	53
Benzyl alcohol	PPB	25	U	25	U	26	U	25	U	26	U	26
Bis(2-chloroethoxy)methane	PPB	25	U	25	U	26	U	25	U	26	U	26
Bis(2-chloroethyl)ether	PPB	25	U	25	U	26	U	25	U	26	U	26
Bis(2-chloroisopropyl)ether	PPB	25	U	25	U	26	U	25	U	26	U	26
Bis(2-ethylhexyl)phthalate	PPB	590		1000		51	U	1000		1000		53
Butyl benzyl phthalate	PPB	410	J	370	J	51	U	450	J	99	J	53
Caprolactam	PPB	25	U	25	U	26	U	25	U	26	U	26
Carbazole	PPB	25	U	25	U	26	U	25	U	26	U	26
Chrysene	PPB	25	U	25	U	26	U	25	U	26	U	26
Di-n-butyl phthalate	PPB	150	J	25	U	26	U	25	U	52	J	26
Di-n-octyl phthalate	PPB	50	U	50	U	51	U	50	U	51	U	53
Dibenzo(a,h)anthracene	PPB	25	U	25	U	26	U	25	U	26	U	26
Dibenzofuran	PPB	25	U	25	U	26	U	25	U	26	U	26
Diethyl phthalate	PPB	25	U	25	U	26	U	25	U	26	U	26
Dimethyl phthalate	PPB	25	U	25	U	26	U	25	U	26	U	26

SOIL SAMPLE RESULTS

Fluoranthene	PPB	25	U	30	J	26	U	37	J	26	U	26
Fluorene	PPB	25	U	330		26	U	440		130	J	26
Hexachlorobenzene	PPB	25	U	25	U	26	U	25	U	26	U	26
Hexachlorobutadiene	PPB	25	U	25	U	26	U	25	U	26	U	26
Hexachlorocyclopentadiene	PPB	50	U	50	U	51	U	50	U	51	U	53
Hexachloroethane	PPB	25	U	25	U	26	U	25	U	26	U	26
Indeno(1,2,3-c,d)pyrene	PPB	25	U	25	U	26	U	25	U	26	U	26
Isophorone	PPB	25	U	25	U	26	U	25	U	26	U	150
N-Nitrosodi-n-propylamine	PPB	25	U	25	U	26	U	25	U	26	U	26
N-Nitrosodimethylamine	PPB	25	U	25	U	26	U	25	U	26	U	26
N-Nitrosodiphenylamine	PPB	25	U	25	U	26	U	25	U	26	U	26
Naphthalene	PPB	2600		25	U	26	U	25	U	26	U	26
Nitrobenzene	PPB	25	U	25	U	26	U	25	U	26	U	26
Parathion	PPB	50	U	50	U	51	U	50	U	51	U	53
Pentachlorophenol	PPB	50	U	50	U	51	U	50	U	51	U	53
Phenanthrene	PPB	25	U	700		26	U	980		250	J	26
Phenol	PPB	25	U	25	U	26	U	25	U	26	U	26
Pyrene	PPB	25	U	100	J	26	U	130	J	32	J	26
Pyridine	PPB	25	U	25	U	26	U	25	U	26	U	26
Volatile Organic Compounds												
1,1,1,2-Tetrachloroethane	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
1,1,1-Trichloroethane	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
1,1,2,2-Tetrachloroethane	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
1,1,2-Trichloro-1,2,2-trifluoroethane	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
1,1,2-Trichloroethane	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
1,1-Dichloroethane	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
1,1-Dichloroethene	PPB	1.3	U	50	D	1.1	U	51	D	52	D	0.95

SOIL SAMPLE RESULTS

					U				U		U	
1,1-Dichloropropene	PPB	1.3	U	50	D	1.1	U	51	D	52	D	0.95
1,2,3-Trichlorobenzene	PPB	1.3	U	50	U	1.1	U	51	U	52	U	0.95
1,2,3-Trichloropropane	PPB	1.3	U	50	D	1.1	U	51	D	52	D	0.95
1,2,4,5-Tetramethylbenzene	PPB	6200	D	6900	U	1.1	U	12000	U	9600	U	0.95
1,2,4-Trichlorobenzene	PPB	1.3	U	50	D	1.1	U	51	D	52	D	0.95
1,2,4-Trimethylbenzene	PPB	8100	D	50	U	1.1	U	1300	U	55	DJ	0.95
1,2-Dibromo-3-chloropropane	PPB	1.3	U	50	D	1.1	U	51	D	52	D	0.95
1,2-Dibromoethane	PPB	1.3	U	50	U	1.1	U	51	U	52	U	0.95
1,2-Dichlorobenzene	PPB	1.3	U	50	D	1.1	U	51	D	52	D	0.95
1,2-Dichloroethane	PPB	1.3	U	50	U	1.1	U	51	U	52	U	0.95
1,2-Dichloropropane	PPB	1.3	U	50	D	1.1	U	51	D	52	D	0.95
1,3,5-Trimethylbenzene	PPB	3300	D	50	U	1.1	U	51	U	52	U	0.95
1,3-Dichlorobenzene	PPB	1.3	U	50	D	1.1	U	51	D	52	D	0.95
1,3-dichloropropane	PPB	1.3	U	50	U	1.1	U	51	U	52	U	0.95
1,4-Dichlorobenzene	PPB	1.3	U	50	D	1.1	U	51	D	52	D	0.95
1,4-Dioxane	PPB	1.3	U	50	U	1.1	U	51	U	52	U	0.95
2,2-Dichloropropane	PPB	1.3	U	50	D	1.1	U	51	D	52	D	0.95
2-Butanone	PPB	6.4	U	250	U	5.5	U	260	U	260	U	4.7
2-Chloroethyl vinyl ether	PPB	1.3	U	50	D	1.1	U	51	D	52	D	0.95

SOIL SAMPLE RESULTS

					U				U		U	
2-Chlorotoluene	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
2-Hexanone	PPB	6.4	U	250	D U	5.5	U	260	D U	260	D U	4.7
2-Propanol	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
4-Chlorotoluene	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
4-Isopropyltoluene	PPB	1100	D	50	D U	1.1	U	150	D DJ	52	D U	0.95
4-Methyl-2-pentanone	PPB	6.4	U	250	D U	5.5	U	260	D U	260	D U	4.7
Acetone	PPB	6.4	U	250	D U	5.5	U	260	D U	260	D U	4.7
Benzene	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
Bromobenzene	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
Bromochloromethane	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
Bromodichloromethane	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
Bromoform	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
Bromomethane	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
Carbon disulfide	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
Carbon tetrachloride	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
Chlorobenzene	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
Chlorodifluoromethane	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
Chloroethane	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95

SOIL SAMPLE RESULTS

Chloroform	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
Chloromethane	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
cis-1,2-Dichloroethene	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
cis-1,3-Dichloropropene	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
Cyclohexane	PPB	8.6		100	D U	2.2	U	100	D U	100	D U	1.9
Dibromochloromethane	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
Dibromomethane	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
Dichlorodifluoromethane	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
Diisopropyl ether	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
Ethanol	PPB	13	U	500	D U	11	U	510	D U	520	D U	9.5
Ethylbenzene	PPB	39		50	D U	1.1	U	51	D U	52	D U	0.95
Freon-114	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
Hexachlorobutadiene	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
Isopropylbenzene	PPB	69		440	D U	1.1	U	51	D U	1000	D U	0.95
m,p-Xylene	PPB	480	DJ	100	D U	2.2	U	100	D U	100	D U	1.9
Methyl Acetate	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
Methyl tert-butyl ether	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
Methylene chloride	PPB	6.4	U	250	D U	5.5	U	260	D U	260	D U	4.7

SOIL SAMPLE RESULTS

n-Butylbenzene	PPB	890	D	1200	D	1.1	U	210	DJ	2900	D	0.95
n-Propylbenzene	PPB	160		1300	D	1.1	U	51	D U	2800	D	0.95
Naphthalene	PPB	690	D	50	D U	1.1	U	51	D U	52	D U	0.95
o-Xylene	PPB	340	D	50	D U	1.1	U	51	D U	52	D U	0.95
p-Diethylbenzene	PPB	6000	D	1500	D	1.1	U	530	D	3100	D	0.95
p-Ethyltoluene	PPB	3800	D	50	D U	1.1	U	51	D U	52	D U	0.95
sec-Butylbenzene	PPB	650	D	1600	D	1.1	U	130	DJ	3800	D	0.95
Styrene	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
t-Butyl alcohol	PPB	16		130	D U	2.7	U	130	D U	130	D U	2.4
tert-Butylbenzene	PPB	1.3	U	480	D	1.1	U	420	D	590	D	0.95
Tetrachloroethene	PPB	2.4	J	50	D U	1.1	U	51	D U	52	D U	0.95
Toluene	PPB	3.7	J	50	D U	1.1	U	51	D U	52	D U	0.95
trans-1,2-Dichloroethene	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
trans-1,3-Dichloropropene	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
Trichloroethene	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
Trichlorofluoromethane	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
Vinyl acetate	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
Vinyl chloride	PPB	1.3	U	50	D U	1.1	U	51	D U	52	D U	0.95
Xylenes, Total	PPB	830	D	150	D U	3.3	U	150	D U	160	D U	2.8
Methylcyclohexane	PPB	250	DJ	280	D	2.2	U	210	DJ	370	D	1.9
Acrolein	PPB	16	U	630	D	14	U	640	D	650	D	12

SOIL SAMPLE RESULTS

					U				U			
Acrylonitrile	PPB	1.3	U	50	D	U	1.1	U	51	D	U	52
					U					U		0.95

U Analyte not detected. J – Analyte detected below analytical method detection limits (quantitation limits).
 B – Analyte detected in associated method blank Y- The concentration reported was detected below the lowest calibration standard concentration.
 ug/kg = micrograms per kilogram, mg/kg = milligrams per kilogram ,

GROUNDWATER SAMPLE RESULTS

3.2 Groundwater Sample Analytical Results

Prior to laboratory results, free product were visually noticed in groundwater in the purge water and in sample bottles for both GW-1 and GW-2. The two Groundwater samples showed elevated results for Semi-volatiles, 2-Methylnaphthalene, Bis(2-ethylhexyl)phthalate, Fluorene, and Phenanthrene. In GW-2, there were elevated levels of semi-volatiles of Acenaphthene, Di-n-butyl phthalate, and Naphthalene. Volatiles organics found in GW-1 and GW-2 were 1,2,4,5-Tetramethylbenzene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, 4-Isopropyltoluene, Benzene, Cyclohexane, Isopropylbenzene, n-Butylbenzene, n-Propylbenzene, p-Diethylbenzene, sec-Butylbenzene, tert-Butylbenzene, and Methylcyclohexane. Elevated levels of Ethylbenzene, Naphthalene, and p-Ethyltoluene were found in groundwater sample GW-2. Compared against the New York State Groundwater Effluent Limitations (TOGS GA), the results show concentrations of 2-Methylnaphthalene, Bis(2-ethylhexyl)phthalate, 1,2,4,5-Tetramethylbenzene, Isopropylbenzene, n-Butylbenzene, n-Propylbenzene, sec-Butylbenzene, and tert-Butylbenzene for GW-1, and GW-2 above the limits found in TOGS GA. Additionally, the concentrations in GW-2 for 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, 4-Isopropyltoluene, and Naphthalene were also above the TOGS GA limits. There are no listed limits for TOGS GA for Cyclohexane, p-Diethylbenzene, p-Ethyltoluene, and Methylcyclohexane, of which all have elevated concentrations. Benzene in GW-2 has a concentration of 0.98 ppb, just below the TOGS GA limit of 1.0 ppb.

GROUNDWATER SAMPLE RESULTS

Client Sample ID:		GW-1		GW-2	
Laboratory ID:		1810111-007		1810111-008	
Sampling Date:		10/11/2018		10/11/2018	
Analyte:	Units:		Q		Q
Percent Moisture	wt%				
Biphenyl	PPB	5.6	DU	5.0	DU
1,2,4-Trichlorobenzene	PPB	5.6	DU	5.0	DU
1,2-Dichlorobenzene	PPB	5.6	DU	5.0	DU
1,3-Dichlorobenzene	PPB	5.6	DU	5.0	DU
1,4-Dichlorobenzene	PPB	5.6	DU	5.0	DU
2,4,5-Trichlorophenol	PPB	5.6	DU	5.0	DU
2,4,6-Trichlorophenol	PPB	5.6	DU	5.0	DU
2,4-Dichlorophenol	PPB	5.6	DU	5.0	DU
2,4-Dimethylphenol	PPB	11	DU	10	DU
2,4-Dinitrophenol	PPB	11	DU	10	DU
2,4-Dinitrotoluene	PPB	5.6	DU	5.0	DU
2,6-Dinitrotoluene	PPB	5.6	DU	5.0	DU
2-Chloronaphthalene	PPB	5.6	DU	5.0	DU
2-Chlorophenol	PPB	5.6	DU	5.0	DU
2-Methylnaphthalene	PPB	80	D	260	D
2-Methylphenol	PPB	5.6	DU	5.0	DU
2-Nitroaniline	PPB	5.6	DU	5.0	DU
2-Nitrophenol	PPB	11	DU	10	DU
3+4-Methylphenol	PPB	5.6	DU	5.0	DU
3,3'-Dichlorobenzidine	PPB	5.6	DU	5.0	DU
3-Nitroaniline	PPB	11	DU	10	DU
4,6-Dinitro-2-methylphenol	PPB	11	DU	10	DU
4-Bromophenyl phenyl ether	PPB	5.6	DU	5.0	DU
4-Chloro-3-methylphenol	PPB	5.6	DU	5.0	DU
4-Chloroaniline	PPB	5.6	DU	5.0	DU
4-Chlorophenyl phenyl ether	PPB	5.6	DU	5.0	DU
4-Nitroaniline	PPB	5.6	DU	5.0	DU
4-Nitrophenol	PPB	11	DU	10	DU
Acenaphthene	PPB	5.6	DU	10	DJ
Acenaphthylene	PPB	5.6	DU	5.0	DU
Acetophenone	PPB	5.6	DU	5.0	DU
Aniline	PPB	5.6	DU	5.0	DU
Anthracene	PPB	5.6	DU	5.0	DU
Atrazine	PPB	5.6	DU	5.0	DU
Azobenzene	PPB	5.6	DU	5.0	DU
Benzaldehyde	PPB	11	DU	10	DU
Benzidine	PPB	11	DU	10	DU
Benzo(a)anthracene	PPB	5.6	DU	5.0	DU
Benzo(a)pyrene	PPB	5.6	DU	5.0	DU
Benzo(b)fluoranthene	PPB	5.6	DU	5.0	DU
Benzo(g,h,i)perylene	PPB	5.6	DU	5.0	DU
Benzo(k)fluoranthene	PPB	5.6	DU	5.0	DU

GROUNDWATER SAMPLE RESULTS

Benzoic acid	PPB	11	DU	10	DU
Benzyl alcohol	PPB	5.6	DU	5.0	DU
Bis(2-chloroethoxy)methane	PPB	5.6	DU	5.0	DU
Bis(2-chloroethyl)ether	PPB	5.6	DU	5.0	DU
Bis(2-chloroisopropyl)ether	PPB	5.6	DU	5.0	DU
Bis(2-ethylhexyl)phthalate	PPB	11	DU	120	D
Butyl benzyl phthalate	PPB	11	DU	10	DU
Caprolactam	PPB	5.6	DU	5.0	DU
Carbazole	PPB	5.6	DU	5.0	DU
Chrysene	PPB	5.6	DU	5.0	DU
Di-n-butyl phthalate	PPB	5.6	DU	7.2	DJ
Di-n-octyl phthalate	PPB	11	DU	10	DU
Dibenzo(a,h)anthracene	PPB	5.6	DU	5.0	DU
Dibenzofuran	PPB	5.6	DU	5.0	DU
Diethyl phthalate	PPB	5.6	DU	5.0	DU
Dimethyl phthalate	PPB	5.6	DU	5.0	DU
Fluoranthene	PPB	5.6	DU	5.0	DU
Fluorene	PPB	5.7	DJ	15	DJ
Hexachlorobenzene	PPB	5.6	DU	5.0	DU
Hexachlorobutadiene	PPB	5.6	DU	5.0	DU
Hexachlorocyclopentadiene	PPB	11	DU	10	DU
Hexachloroethane	PPB	5.6	DU	5.0	DU
Indeno(1,2,3-c,d)pyrene	PPB	5.6	DU	5.0	DU
Isophorone	PPB	5.6	DU	5.0	DU
N-Nitrosodi-n-propylamine	PPB	5.6	DU	5.0	DU
N-Nitrosodimethylamine	PPB	5.6	DU	5.0	DU
N-Nitrosodiphenylamine	PPB	5.6	DU	5.0	DU
Naphthalene	PPB	5.6	DU	190	D
Nitrobenzene	PPB	5.6	DU	5.0	DU
Parathion	PPB	11	DU	10	DU
Pentachlorophenol	PPB	11	DU	10	DU
Phenanthrene	PPB	8.5	DJ	25	DJ
Phenol	PPB	5.6	DU	5.0	DU
Pyrene	PPB	5.6	DU	5.0	DU
Pyridine	PPB	5.6	DU	5.0	DU
1,1,1,2-Tetrachloroethane	PPB	0.25	U	0.25	U
1,1,1-Trichloroethane	PPB	0.25	U	0.25	U
1,1,2,2-Tetrachloroethane	PPB	0.25	U	0.25	U
1,1,2-Trichloro-1,2,2-trifluoroethane	PPB	0.25	U	0.25	U
1,1,2-Trichloroethane	PPB	0.25	U	0.25	U
1,1-Dichloroethane	PPB	0.25	U	0.25	U
1,1-Dichloroethene	PPB	0.25	U	0.25	U
1,1-Dichloropropene	PPB	0.25	U	0.25	U
1,2,3-Trichlorobenzene	PPB	0.25	U	0.25	U
1,2,3-Trichloropropane	PPB	0.25	U	0.25	U
1,2,4,5-Tetramethylbenzene	PPB	120		240	D
1,2,4-Trichlorobenzene	PPB	0.25	U	0.25	U

GROUNDWATER SAMPLE RESULTS

1,2,4-Trimethylbenzene	PPB	4.5		260	D
1,2-Dibromo-3-chloropropane	PPB	0.030	U	0.030	U
1,2-Dibromoethane	PPB	0.25	U	0.25	U
1,2-Dichlorobenzene	PPB	0.25	U	0.25	U
1,2-Dichloroethane	PPB	0.25	U	0.25	U
1,2-Dichloropropane	PPB	0.25	U	0.25	U
1,3,5-Trimethylbenzene	PPB	0.28	J	140	
1,3-Dichlorobenzene	PPB	0.25	U	0.25	U
1,3-dichloropropane	PPB	0.25	U	0.25	U
1,4-Dichlorobenzene	PPB	0.25	U	0.25	U
1,4-Dioxane	PPB	0.25	U	0.25	U
2,2-Dichloropropane	PPB	0.25	U	0.25	U
2-Butanone	PPB	0.50	U	0.50	U
2-Chloroethyl vinyl ether	PPB	0.25	U	0.25	U
2-Chlorotoluene	PPB	0.25	U	0.25	U
2-Hexanone	PPB	0.50	U	0.50	U
2-Propanol	PPB	0.25	U	0.25	U
4-Chlorotoluene	PPB	0.25	U	0.25	U
4-Isopropyltoluene	PPB	0.46	J	74	
4-Methyl-2-pentanone	PPB	0.50	U	0.50	U
Acetone	PPB	5.0	U	5.0	U
Benzene	PPB	0.58	J	0.98	J
Bromobenzene	PPB	0.25	U	0.25	U
Bromochloromethane	PPB	0.25	U	0.25	U
Bromodichloromethane	PPB	0.25	U	0.25	U
Bromoform	PPB	0.25	U	0.25	U
Bromomethane	PPB	0.25	U	0.25	U
Carbon disulfide	PPB	0.25	U	0.25	U
Carbon tetrachloride	PPB	0.25	U	0.25	U
Chlorobenzene	PPB	0.25	U	0.25	U
Chlorodifluoromethane	PPB	0.25	U	0.25	U
Chloroethane	PPB	0.25	U	0.25	U
Chloroform	PPB	0.25	U	0.25	U
Chloromethane	PPB	0.25	U	0.25	U
cis-1,2-Dichloroethene	PPB	0.25	U	0.25	U
cis-1,3-Dichloropropene	PPB	0.25	U	0.25	U
Cyclohexane	PPB	4.3		5.0	
Dibromochloromethane	PPB	0.25	U	0.25	U
Dibromomethane	PPB	0.25	U	0.25	U
Dichlorodifluoromethane	PPB	0.25	U	0.25	U
Diisopropyl ether	PPB	0.50	U	0.50	U
Ethanol	PPB	2.5	U	2.5	U
Ethylbenzene	PPB	0.25	U	2.9	
Freon-114	PPB	0.25	U	0.25	U
Hexachlorobutadiene	PPB	0.25	U	0.25	U
Isopropylbenzene	PPB	25		90	
m,p-Xylene	PPB	0.50	U	0.50	U
Methyl Acetate	PPB	0.25	U	0.25	U

GROUNDWATER SAMPLE RESULTS

Methyl tert-butyl ether	PPB	0.28	J	0.25	U
Methylene chloride	PPB	5.0	U	5.0	U
n-Butylbenzene	PPB	23		64	D
n-Propylbenzene	PPB	60		120	D
Naphthalene	PPB	0.25	U	54	
o-Xylene	PPB	0.25	U	0.25	U
p-Diethylbenzene	PPB	24		87	D
p-Ethyltoluene	PPB	0.25	U	16	
sec-Butylbenzene	PPB	36		64	D
Styrene	PPB	0.25	U	0.25	U
t-Butyl alcohol	PPB	2.5	U	2.5	U
tert-Butylbenzene	PPB	16		58	
Tetrachloroethene	PPB	0.25	U	0.25	U
Toluene	PPB	0.25	U	0.25	U
trans-1,2-Dichloroethene	PPB	0.25	U	0.25	U
trans-1,3-Dichloropropene	PPB	0.25	U	0.25	U
Trichloroethene	PPB	0.25	U	0.25	U
Trichlorofluoromethane	PPB	0.25	U	0.25	U
Vinyl acetate	PPB	0.25	U	0.25	U
Vinyl chloride	PPB	0.25	U	0.25	U
Xylenes, Total	PPB	0.75	U	0.75	U
Methylcyclohexane	PPB	39		77	
Acrolein	PPB	1.0	U	1.0	U
Acrylonitrile	PPB	0.25	U	0.25	U

4.0 CONCLUSIONS AND RECOMMENDATIONS

The site has been a commercial rug cleaning facility for over 80 years. They currently use mineral spirits, as the cleaning solvent. Two aboveground tanks were present which contained mineral spirits. Piping appeared to have had historic minor leaks. The ground penetrating radar investigation prior drilling showed the possibility of a total of four underground tanks in the loading bay, possibly one of them may be encased in concrete. Only one of them is currently active, the fuel oil tank for the building. No tanks on the premises are registered.

After the GPR investigation was done, drilling commenced. A total of eight borings were attempted, two borings (SB-2 and SB-5) hit a shallow refusal. SB-8 hit refusal at 9'. The rest of the borings had a total depth of 12' to 20'. The two borings in the eastern part of the building did not encounter groundwater at a depth of 12'. They did both have petroleum odors in the soil samples. Borings SB-3, SB-6 and SB-7 were advanced to a depth of 20' and all three encountered groundwater. SB-3 and SB-7 were completed as temporary wells, GW-1 and GW-2. SB-3, SB-6 and SB-7 also had high PID readings in soil samples. These three borings had the PID readings increasing with depth. The two temporary monitoring wells both showed evidence of free product on the water. This was evident in the purge water and in the sample bottles. With the above finding of high PID readings and high petroleum odors, the soil sample results were unexpectedly low. Discussions with the analytical laboratory points towards weathered gasoline as the product contaminating the site.

Additional actions should be taken. The owner/manager of the facility should contact DEC to report a spill. Future work should include, a sub slab vapor investigation, and removal of the unknown and unregistered underground tanks in the loading bay. Removal and disposal of contaminated soil should be done during the tank removal. Off site groundwater investigation should be planned.

Galli Engineering, P.C. has prepared this Phase II Environmental Site Assessment (ESA) report on behalf of 2335 12th Avenue, LLC to determine if the past and current use of subject property has impacted the environmental quality of the soil and groundwater at the subject property.

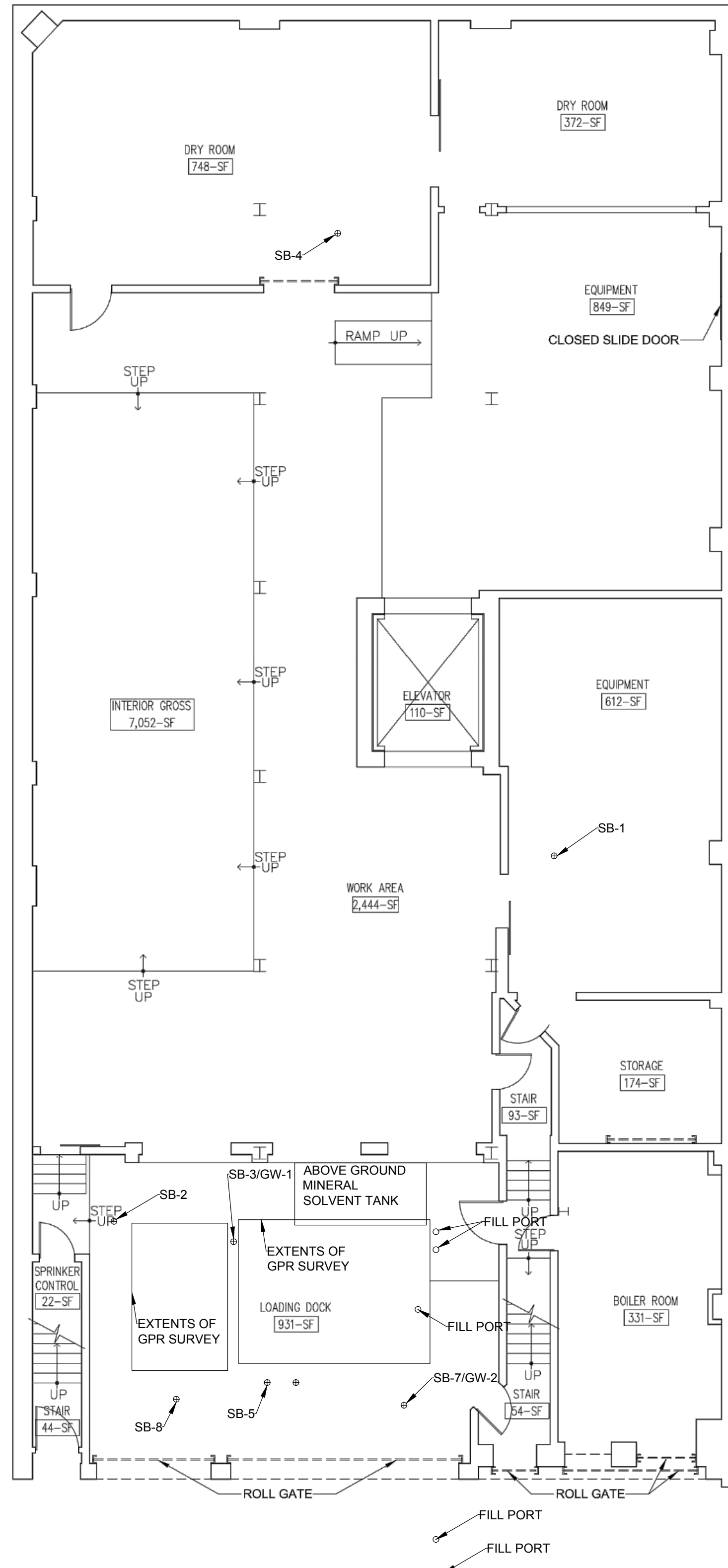
GALLI ENGINEERING, P.C.

Richard D. Galli, P.E.
President

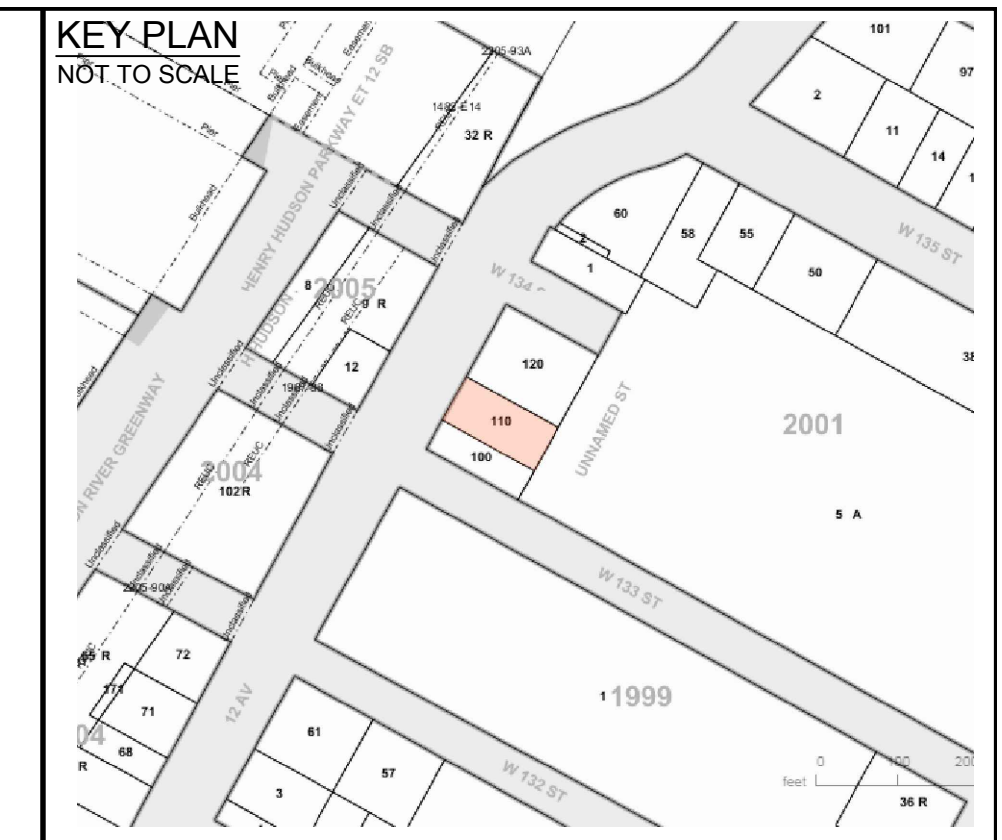
Date

Appendix A

Figures



12TH AVENUE



TRUE NORTH

BLOCK: 2001 LOT: 110

ENGINEER
 Galli Engineering, P.C.
 35 Pinelawn Road - Suite 209E
 Melville, NY 11747
 (631) 271-9292
 Contact: Richard D. Galli, P.E.

REV.	DATE	DESCRIPTION	BY

PROJECT
 2335-2337 12TH AVENUE PHASE II

LOCATION
 2335-2337 12TH AVENUE
 MANHATTAN, NY 10031

DRAWING TITLE
 SAMPLING LOCATIONS



Galli Engineering, P.C.
 35 Pinelawn Road, Suite 209E
 Melville, NY 11747
 Ph: 631-271-9292 Fax: 631-271-9345

D.O.B. USE ONLY	PROJ. NO.	CHECKED
	DRAWN BY BRK	APPROVED RG
	SEAL	

FOR REVIEW ONLY
 NOT FOR CONSTRUCTION

APPLICATION NO.	START DATE 11-1-18	SHEET NO.
		DRAWING NO.

Appendix B

Soil Boring Logs



Galli
Engineering, PC

BORING LOG

Drill Rig: Manual hydraulic

Date Drilled: 10/11/2018

Logged By:

Boring Dia: 2.25 Inches

Boring Number: SB1

Frank Gehrling

Sample	Sample #	Completion	PID (ppm)	Depth Feet	Lithology	Description
	SB-1		250	5		Concrete
						sandy gravel, brown
						gravel
						sand
						sandy gravel
						medium-fine brown sand
			282	10		brown fine sand
				15		
				20		
				25		
				30		
				35		

Completion Notes:

Site:

The Upper Group
2337 12th Avenue
New York, NY

Project No.: 1180-04

Page 1



Galli
Engineering, PC

BORING LOG

Drill Rig: Geoprobe 7712

Date Drilled: 10/11/2018

Logged By:

Boring Dia: 2.25 Inches

Boring Number: SB-2

Frank Gehrling

Sample	Sample #	Completion	PID (ppm)	Depth Feet	Lithology	Description
						Concrete Refusal @ 1'
				5		
				10		
				15		
				20		
				25		
				30		
				35		

Completion Notes:

Site:

The Upper Group
2337 12th Avenue
New York, NY

Project No.: 1180-04

Page 1



Galli
Engineering, PC

BORING LOG

Drill Rig: Geoprobe 7712

Date Drilled: 10/11/18

Logged By:

Boring Dia: 2.25 Inches

Boring Number: SB-3

Frank Gehrling

Sample	Sample #	Completion	PID (ppm)	Depth Feet	Lithology	Description
	SB-3		250	0	Concrete slab broken concrete and fill brown-red fine silty sand	
				5	fine sandy fill medium/fine brown sand; strong petroleum odor @ 9'-10'	
				10	medium/fine brown sand; strong petroleum odor	
				15	medium/fine brown sand; strong petroleum odor	
			245	20		
				25		
				30		
				35		

Completion Notes:

Temporary well completed with 1" dia .020" slot screen, was set at 10' -20'; 1" dia solid casing set at 0-10'. Heavy sheen/slight free product noted on purge water. TOW 18'.

Site:

The Upper Group
2337 12th Avenue
New York, NY

Project No.: 1180-04

Page 1



Galli
Engineering, PC

BORING LOG

Drill Rig: Manual Hydraulic

Date Drilled: 10/11/2018

Logged By:

Boring Dia: 2.25 Inches

Boring Number: SB-4

Frank Gehrling

Sample	Sample #	Completion	PID (ppm)	Depth Feet	Lithology	Description	
	SB-4		60	5		Concrete fine brown silt	
					10		fine tan sand
							fine tan sand
				15			
				20			
				25			
				30			
				35			

Completion Notes:

Site:

The Upper Group
2337 12th Avenue
New York, NY

Project No.: 1180-04

Page 1



Galli
Engineering, PC

BORING LOG

Drill Rig: Geoprobe 7712

Date Drilled: 10/11/2018

Logged By:

Boring Dia: 2.25 Inches

Boring Number: SB-5

Frank Gehring

Sample	Sample #	Completion	PID (ppm)	Depth Feet	Lithology	Description
				5		Concrete Refusal
				10		
				15		
				20		
				25		
				30		
				35		

Completion Notes:

Site:

The Upper Group
2337 12th Avenue
New York, NY

Project No.: 1180-04

Page 1



Galli
Engineering, PC

BORING LOG

Drill Rig: Geoprobe 7712

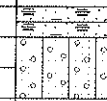
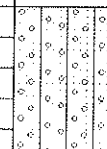
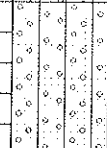

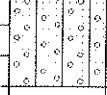
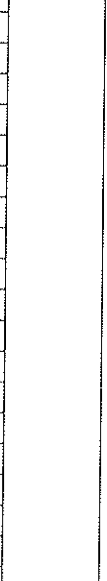
Date Drilled: 10/11/2018

Logged By:

Boring Dia: 2.25 Inches

Boring Number: SB-6

Frank Gehrling

Sample	Sample #	Completion	PID (ppm)	Depth Feet	Lithology	Description
	SB-6			20 5 25 10 350 15 400 20 25 30 35		Concrete broken concrete silty brown sand
						medium brown sand
						fine brown sand
						fine sandy gravel
						fine sand; saturated, strong petroleum odor
						

Completion Notes:

Site:

The Upper Group
2337 12th Avenue
New York, NY

Project No.: 1180-04

Page 1



Galli
Engineering, PC

BORING LOG

Drill Rig: Geoprobe 7712

Date Drilled: 10/11/2018

Logged By:

Boring Dia: Inches

Boring Number: SB-8

Frank Gehrling

Sample	Sample #	Completion	PID (ppm)	Depth Feet	Lithology	Description
	SB-8			0	Concrete	Concrete
				0	Gravelly fill	Gravelly fill
				0	fine sand, brown	fine sand, brown
				5		fine sand, brown; Refusal @ 9'
				10		
				15		
				20		
				25		
				30		
				35		

Completion Notes:

Site:

The Upper Group
2337 12th Avenue
New York, NY

Project No.: 1180-04

Page 1

Appendix C

Laboratory Analytical Reports



American Analytical Laboratories, LLC.
56 Toledo Street
Farmingdale, New York 11735
TEL: (631) 454-6100 FAX: (631) 454-8027
Website: www.American-Analytical.com

October 23, 2018

Bradley Kelsey
Galli Engineering, P.C.
35 Pinelawn Road, Suite 209E
Melville, NY 11747
TEL: (631) 271-9292
FAX (631) 271-9345

RE: 2337 12th Ave., New York, NY

Order No.: 1810111

Dear Bradley Kelsey:

American Analytical Laboratories, LLC. received 8 sample(s) on 10/12/2018 for the analyses presented in the following report.

Samples were analyzed in accordance with the test procedures documented on the chain of custody and detailed throughout the text of this report. The results reported herein relate only to the items tested or to the samples as received by the laboratory. This report may not be reproduced, except in full, without the approval of American Analytical Laboratories, LLC and is not considered complete without a cover page and chain of custody documentation. The limits (LOQ) provided in the data package are analytical reporting limits and not Federal or Local mandated values to which the sample results should be compared.

There were no problems with the analyses and all data for associated QC met laboratory specifications. If there are any exceptions a Case Narrative is provided in the report or the data is qualified either on the sample results or in the QC section of the report. This package has been reviewed by American Analytical Laboratories' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal.

If you have any questions regarding these tests results, please do not hesitate to call (631) 454-6100 or email me directly at lbeyer@american-analytical.com.

Sincerely,

Lori Beyer
Lab Director
American Analytical Laboratories, LLC.



American Analytical Laboratories, LLC.
56 Toledo Street
Farmingdale, New York 11735
TEL: (631) 454-6100 FAX: (631) 454-8027
Website: www.American-Analytical.com

Workorder Sample Summary

WO#: 1810111

23-Oct-18

CLIENT: Galli Engineering, P.C.
Project: 2337 12th Ave., New York, NY

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
1810111-001A	SB-1		10/11/2018 10:00:00 AM	10/12/2018 2:30:00 PM	Soil
1810111-001B	SB-1		10/11/2018 10:00:00 AM	10/12/2018 2:30:00 PM	Soil
1810111-002A	SB-3		10/11/2018 10:00:00 AM	10/12/2018 2:30:00 PM	Soil
1810111-002B	SB-3		10/11/2018 10:00:00 AM	10/12/2018 2:30:00 PM	Soil
1810111-003A	SB-4		10/11/2018 10:45:00 AM	10/12/2018 2:30:00 PM	Soil
1810111-003B	SB-4		10/11/2018 10:45:00 AM	10/12/2018 2:30:00 PM	Soil
1810111-004A	SB-6		10/11/2018 10:45:00 AM	10/12/2018 2:30:00 PM	Soil
1810111-004B	SB-6		10/11/2018 10:45:00 AM	10/12/2018 2:30:00 PM	Soil
1810111-005A	SB-7		10/11/2018 11:30:00 AM	10/12/2018 2:30:00 PM	Soil
1810111-005B	SB-7		10/11/2018 11:30:00 AM	10/12/2018 2:30:00 PM	Soil
1810111-006A	SB-8		10/11/2018 12:15:00 PM	10/12/2018 2:30:00 PM	Soil
1810111-006B	SB-8		10/11/2018 12:15:00 PM	10/12/2018 2:30:00 PM	Soil
1810111-007A	GW-1		10/11/2018 1:00:00 PM	10/12/2018 2:30:00 PM	Liquid
1810111-007B	GW-1		10/11/2018 1:00:00 PM	10/12/2018 2:30:00 PM	Liquid
1810111-008A	GW-2		10/11/2018 2:00:00 PM	10/12/2018 2:30:00 PM	Liquid
1810111-008B	GW-2		10/11/2018 2:00:00 PM	10/12/2018 2:30:00 PM	Liquid

Original



CHAIN OF CUSTODY

56 Toledo Street, Farmingdale NY 11735
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CERTIFICATIONS

NY ELAP - 11418 PA DEP - 68-00573
NJ DEP - NY050 CT DOH - PH-0205

Client Information		Project Information	
Company Name Galli Engineering P.C.	Project Name 2337 12th Ave	Analytical Test / Information	
Address 35 Pinelawn Rd Suite 209E	Street 2337 12th Avenue		
City Melville	City New York		
State NY	State NY		
Zip 11747	Zip 10027		
Project Contact Bradley Kelsey	Project # / Purchase Order #		
Phone # 631-271-9292	Sampler's Name / Company Bradley Kelsey, Galli Engineering P.C.		
E-mail bkelsey@gaengineering.com	Sampler's Signature <i>Bradley Kelsey</i>		

LAB SAMPLE # (LAB USE ONLY)	Sample Information			Sample Collection			Sample Containers							Comments / Remarks		
	Client Sample ID	Sample Type	Matrix Code	Date	Time	Glass / Plastic	Total # of bottles	NONE	HCl	NaOH	HNO ₃	H ₂ SO ₄	DI Water (503FA)		MeOH	OTHER
1810111-001	SB-1	G	S	10/11/18	10:00 am	glass	4									X 8260 Fall List
002	SB-3	G	S	10/11/18	10:00 am	"	4									X 8270 Fall List
003	SB-4	G	S	10/11/18	10:45 am	"	4									
004	SB-6	G	S	10/11/18	10:45 am	"	4									
005	SB-7	G	S	10/11/18	11:30 am	"	4									
006	SB-8	G	S	10/11/18	12:15 pm	"										
007	G-W-1	G	L	10/11/18	1:00 pm	"	3				12					
008	G-W-2	G	L	10/11/18	2:00 pm	"	3				12					

Standard	Turnaround Time (Business Days)	SAMPLE TYPE	MATRIX CODE	ELECTRONIC DELIVERABLES	Comments / Remarks
<input checked="" type="checkbox"/> 7-10 Business Days	<input type="checkbox"/> 3 Day RUSH	G = Grab	L = Liquid	NYCRR Part 375 - please circle	<i>Free Pro d VC in water samples Also very silty</i>
<input type="checkbox"/> 5 Day RUSH	<input type="checkbox"/> 2 Day RUSH	C = Composite	S = Soil	Unres/ Comm/ Industrial/ Res Residential/ PGW	
<input type="checkbox"/> 4 Day RUSH	<input type="checkbox"/> 1 Day RUSH	B = Blank	O = Oil	NJ Soil Clean Up Criteria	
			W = Wipe	SCDOH Action Levels	
Please contact laboratory for rush service availability			M = Misc	CP 51 - Gas / Fuel	
Sample custody must be documented below, each time samples change possession, with a signature, date, and time.			TOGS	TCLP Hazardous Waste	
RELINQUISHED BY (SIGNATURE) <i>Bradley Kelsey</i>			NYSDEC EQUIS	COOLER Temp: 2.1°C	
RELINQUISHED BY (SIGNATURE) <i>Bradley Kelsey</i>			RECEIVED BY LAB (SIGNATURE) <i>Bradley Kelsey</i>	DATE 10/12/18	PRINTED NAME P mes
			TIME 1430	DATE	PRINTED NAME



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Sample Log-In Check List

Client Name: **GALLI**

Work Order Number: **1810111**

RcptNo: **1**

Logged by:	Lori Beyer	10/12/2018 2:30:00 PM	<i>Lori Beyer</i>
Completed By:	Lori Beyer	10/12/2018 2:54:04 PM	<i>Lori Beyer</i>
Reviewed By:	Phyllis Masi	10/12/2018	<i>Phyllis Masi</i>

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
 2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
 4. Shipping container/cooler in good condition? Yes No
 Custody seals intact on shipping container/cooler? Yes No Not Present
 No. Seal Date: Signed By:
 5. Was an attempt made to cool the samples? Yes No NA
 6. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
 7. Sample(s) in proper container(s)? Yes No
 8. Sufficient sample volume for indicated test(s)? Yes No
 9. Are samples (except VOA and ONG) properly preserved? Yes No
 10. Was preservative added to bottles? Yes No NA
 11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes No No VOA Vials
 12. Were any sample containers received broken? Yes No
 13. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
 14. Are matrices correctly identified on Chain of Custody? Yes No
 15. Is it clear what analyses were requested? Yes No
 16. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

18. Additional remarks:

Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
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Case Narrative

WO#: 1810111
Date: 10/23/2018

CLIENT: Galli Engineering, P.C.
Project: 2337 12th Ave., New York, NY

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846 and additional methods as detailed throughout the text of the report. All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives with exceptions notated in this Narrative discussion.

Soil sample results analyzed for Volatile Organics were collected according to the 5035A Method. Analysis was performed from intact soil jar. Volatile LCS are analyzed with preservatives - HCL/NaHSO₄/Methanol depending on level of analysis (high/low) similar to sample analysis. Outliers can be attributed to the presence of chemical preservatives. 2-Chloroethyl vinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note. Samples were analyzed at dilutions as indicated on the reporting sheets due to complicate matrices and target/non-target presence.

SVOA: Calibration for Benzoic Acid does not meet method requirements. Reporting limit must be considered estimated.

The following parameters (if included in this report) are not offered by NY ELAP: VOA 8260 Soil; 1,2,4,5-Tetramethylbenzene, Chlorodifluoromethane, Diisopropyl ether, Ethanol, Freon-114, p-Diethylbenzene, p-Ethyltoluene, Limonene. VOA 8260 Liquid; 1,2,4,5-Tetramethylbenzene, Chlorodifluoromethane, Freon-114, p-Diethylbenzene, p-Ethyltoluene, Limonene. Pesticides 8081 Soil; DBCP. Herbicides 8151 Soil; 3,5-Dichlorobenzoic Acid, 4-Nitrophenol, Acifluorfen, Bentazon, Chloramben, DCPA, Picloram .Lachat 10-107-6-1B Ammonia in Soil, SM 2540G Total Volatile Solids, Soil TKN, Soil Organic Nitrogen, Percent Moisture, pH in non-potable water and temperature at which pH is measured, SM 4500-SO₃ B Sulfite in Liquid, Total Sulfur in Soil, Acid Soluble Chloride by ASTM C1152, Water Soluble Chloride by ASTM C1218, Chlorine Demand by SM 2350 B, Total Residual Chlorine in Liquid and Reactivity to Sulfide and Reactivity to Cyanide.

The test results meet the requirements of the NYSDOH and NELAC standards, except where noted. The information contained in this analytical report is the sole property of American Analytical Laboratories, LLC. or the client for which this report was issued. The results contained in this report are only representative of the samples received. The sample receipt checklist is included as part of this lab report. Conditions can vary at different times and at different sampling conditions. American Analytical is not responsible for the use or interpretation of the data included herein.

Original



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Definition Only

WO#: 1810111
Date: 10/23/2018

Definitions:

Sample Result and QC Summary Qualifiers - Level I and Level II Reports

ND - Not detected at the reporting limit/Limit of Quantitation

B - The analyte was detected in the associated method blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything $<5x$ the blank value as artifact.

E - The value is above the quantitation range

D - Analyte concentration was obtained from diluted analysis or from analysis using reduced sample volume.

J - The analyte was detected below the limit of quantitation but greater than the established Limit of Detection (LOD). There is greater uncertainty associated with these results and data should be considered as estimated.

U - The compound was analyzed for but not detected.

H - Holding time for preparation or analysis has been exceeded.

S - Spike recovery is outside accepted recovery limits.

R - RPD is outside accepted recovery range.

P - Secondary column exceeds 40% difference for GC test.

* - Calibration exceeds method requirement. Due to the large number of analytes for organic testing, the method allows 10% of analytes to have %RSD and/or %D to be $>20\%$.

LOD - Limit of Detection; the lowest level the analyte can be determined to be statistically different from a blank.

LOQ - Limit of Quantitation; the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accuracy.

PQL - Practical Quantitation Limit; the lowest level that can be reliably achieved within the specific limits of Precision and accuracy. Listed on the QC Summary Forms.

m - Analyte was manually integrated for GC/MS.

+ - Concentration exceeds regulatory level for TCLP

Original

ELAP ID : 11418

CLIENT:	Galli Engineering, P.C.	Client Sample ID:	SB-1
Lab Order:	1810111	Collection Date:	10/11/2018 10:00:00 AM
Project:	2337 12th Ave., New York, NY	Matrix:	SOIL
Lab ID:	1810111-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C		SW5035A		Analyst: LA
1,1,1,2-Tetrachloroethane	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
1,1,1-Trichloroethane	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
1,1,2,2-Tetrachloroethane	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
1,1,2-Trichloroethane	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
1,1-Dichloroethane	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
1,1-Dichloroethene	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
1,1-Dichloropropene	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
1,2,3-Trichlorobenzene	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
1,2,3-Trichloropropane	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
1,2,4,5-Tetramethylbenzene	6200	51	250	D	µg/Kg-dry	50	10/18/2018 2:12:00 AM
1,2,4-Trichlorobenzene	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
1,2,4-Trimethylbenzene	8100	51	250	D	µg/Kg-dry	50	10/18/2018 2:12:00 AM
1,2-Dibromo-3-chloropropane	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
1,2-Dibromoethane	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
1,2-Dichlorobenzene	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
1,2-Dichloroethane	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
1,2-Dichloropropane	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
1,3,5-Trimethylbenzene	3300	51	250	D	µg/Kg-dry	50	10/18/2018 2:12:00 AM
1,3-Dichlorobenzene	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
1,3-dichloropropane	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
1,4-Dichlorobenzene	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
1,4-Dioxane	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
2,2-Dichloropropane	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
2-Butanone	ND	6.4	13	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
2-Chloroethyl vinyl ether	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
2-Chlorotoluene	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
2-Hexanone	ND	6.4	13	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
2-Propanol	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
4-Chlorotoluene	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
4-Isopropyltoluene	1100	51	250	D	µg/Kg-dry	50	10/18/2018 2:12:00 AM
4-Methyl-2-pentanone	ND	6.4	13	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
Acetone	ND	6.4	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM

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Original

ELAP ID : 11418

CLIENT:	Galli Engineering, P.C.	Client Sample ID:	SB-1
Lab Order:	1810111	Collection Date:	10/11/2018 10:00:00 AM
Project:	2337 12th Ave., New York, NY	Matrix:	SOIL
Lab ID:	1810111-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C		SW5035A		Analyst: LA
Benzene	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
Bromobenzene	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
Bromochloromethane	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
Bromodichloromethane	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
Bromoform	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
Bromomethane	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
Carbon disulfide	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
Carbon tetrachloride	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
Chlorobenzene	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
Chlorodifluoromethane	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
Chloroethane	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
Chloroform	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
Chloromethane	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
cis-1,2-Dichloroethene	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
cis-1,3-Dichloropropene	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
Cyclohexane	8.6	2.6	6.4		µg/Kg-dry	1	10/17/2018 3:19:00 AM
Dibromochloromethane	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
Dibromomethane	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
Dichlorodifluoromethane	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
Diisopropyl ether	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
Ethanol	ND	13	26	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
Ethylbenzene	39	1.3	6.4		µg/Kg-dry	1	10/17/2018 3:19:00 AM
Freon-114	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
Hexachlorobutadiene	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
Isopropylbenzene	69	1.3	6.4		µg/Kg-dry	1	10/17/2018 3:19:00 AM
m,p-Xylene	480	100	510	DJ	µg/Kg-dry	50	10/18/2018 2:12:00 AM
Methyl Acetate	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
Methyl tert-butyl ether	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
Methylene chloride	ND	6.4	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
n-Butylbenzene	890	51	250	D	µg/Kg-dry	50	10/18/2018 2:12:00 AM
n-Propylbenzene	160	1.3	6.4		µg/Kg-dry	1	10/17/2018 3:19:00 AM
Naphthalene	690	51	250	D	µg/Kg-dry	50	10/18/2018 2:12:00 AM
o-Xylene	340	51	250	D	µg/Kg-dry	50	10/18/2018 2:12:00 AM

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Original

American Analytical Laboratories, LLC.

Date: 23-Oct-18

ELAP ID : 11418

CLIENT:	Galli Engineering, P.C.	Client Sample ID:	SB-1
Lab Order:	1810111	Collection Date:	10/11/2018 10:00:00 AM
Project:	2337 12th Ave., New York, NY	Matrix:	SOIL
Lab ID:	1810111-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C		SW5035A		Analyst: LA
p-Diethylbenzene	6000	51	250	D	µg/Kg-dry	50	10/18/2018 2:12:00 AM
p-Ethyltoluene	3800	51	250	D	µg/Kg-dry	50	10/18/2018 2:12:00 AM
sec-Butylbenzene	650	51	250	D	µg/Kg-dry	50	10/18/2018 2:12:00 AM
Styrene	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
t-Butyl alcohol	16	3.2	6.4		µg/Kg-dry	1	10/17/2018 3:19:00 AM
tert-Butylbenzene	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
Tetrachloroethene	2.4	1.3	6.4	J	µg/Kg-dry	1	10/17/2018 3:19:00 AM
Toluene	3.7	1.3	6.4	J	µg/Kg-dry	1	10/17/2018 3:19:00 AM
trans-1,2-Dichloroethene	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
trans-1,3-Dichloropropene	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
Trichloroethene	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
Trichlorofluoromethane	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
Vinyl acetate	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
Vinyl chloride	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
Xylenes, Total	830	150	760	D	µg/Kg-dry	50	10/18/2018 2:12:00 AM
Methylcyclohexane	250	100	250	DJ	µg/Kg-dry	50	10/18/2018 2:12:00 AM
Acrolein	ND	16	32	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM
Acrylonitrile	ND	1.3	6.4	U	µg/Kg-dry	1	10/17/2018 3:19:00 AM

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Original

ELAP ID : 11418

CLIENT:	Galli Engineering, P.C.	Client Sample ID:	SB-1
Lab Order:	1810111	Collection Date:	10/11/2018 10:00:00 AM
Project:	2337 12th Ave., New York, NY	Matrix:	SOIL
Lab ID:	1810111-001B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PERCENT MOISTURE			D2216				Analyst: KK
Percent Moisture	3.59	0	1.00		wt%	1	10/16/2018 10:03:07 AM
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Biphenyl	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
1,2,4-Trichlorobenzene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
1,2-Dichlorobenzene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
1,3-Dichlorobenzene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
1,4-Dichlorobenzene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
2,4,5-Trichlorophenol	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
2,4,6-Trichlorophenol	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
2,4-Dichlorophenol	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
2,4-Dimethylphenol	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
2,4-Dinitrophenol	ND	50	500	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
2,4-Dinitrotoluene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
2,6-Dinitrotoluene	ND	50	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
2-Chloronaphthalene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
2-Chlorophenol	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
2-Methylnaphthalene	630	25	250		µg/Kg-dry	1	10/18/2018 3:04:00 PM
2-Methylphenol	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
2-Nitroaniline	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
2-Nitrophenol	ND	50	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
3+4-Methylphenol	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
3,3'-Dichlorobenzidine	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
3-Nitroaniline	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
4,6-Dinitro-2-methylphenol	ND	50	500	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
4-Bromophenyl phenyl ether	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
4-Chloro-3-methylphenol	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
4-Chloroaniline	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
4-Chlorophenyl phenyl ether	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
4-Nitroaniline	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
4-Nitrophenol	ND	50	500	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Acenaphthene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Acenaphthylene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM

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Original

ELAP ID : 11418

CLIENT: Galli Engineering, P.C.
Lab Order: 1810111
Project: 2337 12th Ave., New York, NY
Lab ID: 1810111-001B

Client Sample ID: SB-1
Collection Date: 10/11/2018 10:00:00 AM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Acetophenone	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Aniline	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Anthracene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Atrazine	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Azobenzene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Benzaldehyde	ND	50	500	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Benzidine	ND	50	500	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Benzo(a)anthracene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Benzo(a)pyrene	ND	25	150	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Benzo(b)fluoranthene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Benzo(g,h,i)perylene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Benzo(k)fluoranthene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Benzoic acid	ND	50	500	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Benzyl alcohol	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Bis(2-chloroethoxy)methane	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Bis(2-chloroethyl)ether	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Bis(2-chloroisopropyl)ether	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Bis(2-ethylhexyl)phthalate	590	50	500		µg/Kg-dry	1	10/18/2018 3:04:00 PM
Butyl benzyl phthalate	410	50	500	J	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Caprolactam	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Carbazole	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Chrysene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Di-n-butyl phthalate	150	25	250	J	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Di-n-octyl phthalate	ND	50	500	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Dibenzo(a,h)anthracene	ND	25	150	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Dibenzofuran	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Diethyl phthalate	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Dimethyl phthalate	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Fluoranthene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Fluorene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Hexachlorobenzene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Hexachlorobutadiene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Hexachlorocyclopentadiene	ND	50	500	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM

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Original

ELAP ID : 11418

CLIENT: Galli Engineering, P.C.

Client Sample ID: SB-1

Lab Order: 1810111

Collection Date: 10/11/2018 10:00:00 AM

Project: 2337 12th Ave., New York, NY

Matrix: SOIL

Lab ID: 1810111-001B

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270							
			SW8270D				Analyst: MH
Hexachloroethane	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Indeno(1,2,3-c,d)pyrene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Isophorone	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
N-Nitrosodi-n-propylamine	ND	25	150	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
N-Nitrosodimethylamine	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
N-Nitrosodiphenylamine	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Naphthalene	2600	25	250		µg/Kg-dry	1	10/18/2018 3:04:00 PM
Nitrobenzene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Parathion	ND	50	500	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Pentachlorophenol	ND	50	500	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Phenanthrene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Phenol	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Pyrene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM
Pyridine	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:04:00 PM



ELAP ID : 11418

CLIENT:	Galli Engineering, P.C.	Client Sample ID:	SB-3
Lab Order:	1810111	Collection Date:	10/11/2018 10:00:00 AM
Project:	2337 12th Ave., New York, NY	Matrix:	SOIL
Lab ID:	1810111-002A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C		SW5035A		Analyst: LA
1,1,1,2-Tetrachloroethane	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
1,1,1-Trichloroethane	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
1,1,2,2-Tetrachloroethane	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
1,1,2-Trichloroethane	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
1,1-Dichloroethane	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
1,1-Dichloroethene	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
1,1-Dichloropropene	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
1,2,3-Trichlorobenzene	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
1,2,3-Trichloropropane	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
1,2,4,5-Tetramethylbenzene	6900	50	250	D	µg/Kg-dry	50	10/18/2018 2:42:00 AM
1,2,4-Trichlorobenzene	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
1,2,4-Trimethylbenzene	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
1,2-Dibromo-3-chloropropane	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
1,2-Dibromoethane	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
1,2-Dichlorobenzene	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
1,2-Dichloroethane	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
1,2-Dichloropropane	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
1,3,5-Trimethylbenzene	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
1,3-Dichlorobenzene	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
1,3-dichloropropane	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
1,4-Dichlorobenzene	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
1,4-Dioxane	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
2,2-Dichloropropane	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
2-Butanone	ND	250	500	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
2-Chloroethyl vinyl ether	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
2-Chlorotoluene	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
2-Hexanone	ND	250	500	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
2-Propanol	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
4-Chlorotoluene	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
4-Isopropyltoluene	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
4-Methyl-2-pentanone	ND	250	500	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Acetone	ND	250	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM

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Original

ELAP ID : 11418

CLIENT:	Galli Engineering, P.C.	Client Sample ID:	SB-3
Lab Order:	1810111	Collection Date:	10/11/2018 10:00:00 AM
Project:	2337 12th Ave., New York, NY	Matrix:	SOIL
Lab ID:	1810111-002A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C		SW5035A		Analyst: LA
Benzene	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Bromobenzene	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Bromochloromethane	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Bromodichloromethane	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Bromoform	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Bromomethane	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Carbon disulfide	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Carbon tetrachloride	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Chlorobenzene	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Chlorodifluoromethane	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Chloroethane	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Chloroform	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Chloromethane	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
cis-1,2-Dichloroethene	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
cis-1,3-Dichloropropene	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Cyclohexane	ND	100	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Dibromochloromethane	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Dibromomethane	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Dichlorodifluoromethane	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Diisopropyl ether	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Ethanol	ND	500	1000	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Ethylbenzene	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Freon-114	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Hexachlorobutadiene	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Isopropylbenzene	440	50	250	D	µg/Kg-dry	50	10/18/2018 2:42:00 AM
m,p-Xylene	ND	100	500	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Methyl Acetate	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Methyl tert-butyl ether	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Methylene chloride	ND	250	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
n-Butylbenzene	1200	50	250	D	µg/Kg-dry	50	10/18/2018 2:42:00 AM
n-Propylbenzene	1300	50	250	D	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Naphthalene	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
o-Xylene	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM

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Original

ELAP ID : 11418

CLIENT: Galli Engineering, P.C.

Client Sample ID: SB-3

Lab Order: 1810111

Collection Date: 10/11/2018 10:00:00 AM

Project: 2337 12th Ave., New York, NY

Matrix: SOIL

Lab ID: 1810111-002A

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C	SW5035A			Analyst: LA
p-Diethylbenzene	1500	50	250	D	µg/Kg-dry	50	10/18/2018 2:42:00 AM
p-Ethyltoluene	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
sec-Butylbenzene	1600	50	250	D	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Styrene	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
t-Butyl alcohol	ND	130	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
tert-Butylbenzene	480	50	250	D	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Tetrachloroethene	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Toluene	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
trans-1,2-Dichloroethene	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
trans-1,3-Dichloropropene	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Trichloroethene	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Trichlorofluoromethane	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Vinyl acetate	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Vinyl chloride	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Xylenes, Total	ND	150	760	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Methylcyclohexane	280	100	250	D	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Acrolein	ND	630	1300	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM
Acrylonitrile	ND	50	250	DU	µg/Kg-dry	50	10/18/2018 2:42:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735

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Original

ELAP ID : 11418

CLIENT:	Galli Engineering, P.C.	Client Sample ID:	SB-3
Lab Order:	1810111	Collection Date:	10/11/2018 10:00:00 AM
Project:	2337 12th Ave., New York, NY	Matrix:	SOIL
Lab ID:	1810111-002B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PERCENT MOISTURE			D2216				Analyst: KK
Percent Moisture	3.76	0	1.00		wt%	1	10/16/2018 10:03:07 AM
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Biphenyl	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
1,2,4-Trichlorobenzene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
1,2-Dichlorobenzene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
1,3-Dichlorobenzene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
1,4-Dichlorobenzene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
2,4,5-Trichlorophenol	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
2,4,6-Trichlorophenol	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
2,4-Dichlorophenol	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
2,4-Dimethylphenol	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
2,4-Dinitrophenol	ND	50	500	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
2,4-Dinitrotoluene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
2,6-Dinitrotoluene	ND	50	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
2-Chloronaphthalene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
2-Chlorophenol	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
2-Methylnaphthalene	4000	25	250		µg/Kg-dry	1	10/18/2018 3:30:00 PM
2-Methylphenol	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
2-Nitroaniline	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
2-Nitrophenol	ND	50	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
3+4-Methylphenol	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
3,3'-Dichlorobenzidine	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
3-Nitroaniline	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
4,6-Dinitro-2-methylphenol	ND	50	500	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
4-Bromophenyl phenyl ether	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
4-Chloro-3-methylphenol	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
4-Chloroaniline	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
4-Chlorophenyl phenyl ether	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
4-Nitroaniline	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
4-Nitrophenol	ND	50	500	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Acenaphthene	220	25	250	J	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Acenaphthylene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM

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Original

ELAP ID : 11418

CLIENT:	Galli Engineering, P.C.	Client Sample ID:	SB-3
Lab Order:	1810111	Collection Date:	10/11/2018 10:00:00 AM
Project:	2337 12th Ave., New York, NY	Matrix:	SOIL
Lab ID:	1810111-002B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Acetophenone	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Aniline	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Anthracene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Atrazine	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Azobenzene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Benzaldehyde	ND	50	500	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Benzidine	ND	50	500	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Benzo(a)anthracene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Benzo(a)pyrene	ND	25	150	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Benzo(b)fluoranthene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Benzo(g,h,i)perylene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Benzo(k)fluoranthene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Benzoic acid	ND	50	500	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Benzyl alcohol	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Bis(2-chloroethoxy)methane	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Bis(2-chloroethyl)ether	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Bis(2-chloroisopropyl)ether	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Bis(2-ethylhexyl)phthalate	1000	50	500		µg/Kg-dry	1	10/18/2018 3:30:00 PM
Butyl benzyl phthalate	370	50	500	J	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Caprolactam	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Carbazole	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Chrysene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Di-n-butyl phthalate	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Di-n-octyl phthalate	ND	50	500	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Dibenzo(a,h)anthracene	ND	25	150	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Dibenzofuran	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Diethyl phthalate	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Dimethyl phthalate	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Fluoranthene	30	25	250	J	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Fluorene	330	25	250		µg/Kg-dry	1	10/18/2018 3:30:00 PM
Hexachlorobenzene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Hexachlorobutadiene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Hexachlorocyclopentadiene	ND	50	500	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM

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Original

American Analytical Laboratories, LLC.

Date: 23-Oct-18

ELAP ID : 11418

CLIENT:	Galli Engineering, P.C.	Client Sample ID:	SB-3
Lab Order:	1810111	Collection Date:	10/11/2018 10:00:00 AM
Project:	2337 12th Ave., New York, NY	Matrix:	SOIL
Lab ID:	1810111-002B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270							
			SW8270D				Analyst: MH
			SW3546				
Hexachloroethane	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Indeno(1,2,3-c,d)pyrene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Isophorone	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
N-Nitrosodi-n-propylamine	ND	25	150	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
N-Nitrosodimethylamine	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
N-Nitrosodiphenylamine	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Naphthalene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Nitrobenzene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Parathion	ND	50	500	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Pentachlorophenol	ND	50	500	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Phenanthrene	700	25	250		µg/Kg-dry	1	10/18/2018 3:30:00 PM
Phenol	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Pyrene	100	25	250	J	µg/Kg-dry	1	10/18/2018 3:30:00 PM
Pyridine	ND	25	250	U	µg/Kg-dry	1	10/18/2018 3:30:00 PM

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Original

ELAP ID : 11418

CLIENT:	Galli Engineering, P.C.	Client Sample ID:	SB-4
Lab Order:	1810111	Collection Date:	10/11/2018 10:45:00 AM
Project:	2337 12th Ave., New York, NY	Matrix:	SOIL
Lab ID:	1810111-003A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C	SW5035A			Analyst: LA
1,1,1,2-Tetrachloroethane	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
1,1,1-Trichloroethane	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
1,1,2,2-Tetrachloroethane	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
1,1,2-Trichloroethane	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
1,1-Dichloroethane	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
1,1-Dichloroethene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
1,1-Dichloropropene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
1,2,3-Trichlorobenzene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
1,2,3-Trichloropropane	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
1,2,4,5-Tetramethylbenzene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
1,2,4-Trichlorobenzene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
1,2,4-Trimethylbenzene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
1,2-Dibromo-3-chloropropane	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
1,2-Dibromoethane	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
1,2-Dichlorobenzene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
1,2-Dichloroethane	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
1,2-Dichloropropane	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
1,3,5-Trimethylbenzene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
1,3-Dichlorobenzene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
1,3-dichloropropane	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
1,4-Dichlorobenzene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
1,4-Dioxane	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
2,2-Dichloropropane	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
2-Butanone	ND	5.5	11	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
2-Chloroethyl vinyl ether	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
2-Chlorotoluene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
2-Hexanone	ND	5.5	11	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
2-Propanol	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
4-Chlorotoluene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
4-Isopropyltoluene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
4-Methyl-2-pentanone	ND	5.5	11	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Acetone	ND	5.5	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM

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Original

ELAP ID : 11418

CLIENT:	Galli Engineering, P.C.	Client Sample ID:	SB-4
Lab Order:	1810111	Collection Date:	10/11/2018 10:45:00 AM
Project:	2337 12th Ave., New York, NY	Matrix:	SOIL
Lab ID:	1810111-003A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C		SW5035A		Analyst: LA
Benzene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Bromobenzene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Bromochloromethane	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Bromodichloromethane	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Bromoform	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Bromomethane	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Carbon disulfide	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Carbon tetrachloride	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Chlorobenzene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Chlorodifluoromethane	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Chloroethane	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Chloroform	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Chloromethane	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
cis-1,2-Dichloroethene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
cis-1,3-Dichloropropene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Cyclohexane	ND	2.2	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Dibromochloromethane	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Dibromomethane	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Dichlorodifluoromethane	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Diisopropyl ether	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Ethanol	ND	11	22	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Ethylbenzene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Freon-114	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Hexachlorobutadiene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Isopropylbenzene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
m,p-Xylene	ND	2.2	11	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Methyl Acetate	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Methyl tert-butyl ether	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Methylene chloride	ND	5.5	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
n-Butylbenzene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
n-Propylbenzene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Naphthalene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
o-Xylene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM

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Original

American Analytical Laboratories, LLC.

Date: 23-Oct-18

ELAP ID : 11418

CLIENT: Galli Engineering, P.C.

Client Sample ID: SB-4

Lab Order: 1810111

Collection Date: 10/11/2018 10:45:00 AM

Project: 2337 12th Ave., New York, NY

Matrix: SOIL

Lab ID: 1810111-003A

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C	SW5035A			Analyst: LA
p-Diethylbenzene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
p-Ethyltoluene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
sec-Butylbenzene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Styrene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
t-Butyl alcohol	ND	2.7	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
tert-Butylbenzene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Tetrachloroethene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Toluene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
trans-1,2-Dichloroethene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
trans-1,3-Dichloropropene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Trichloroethene	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Trichlorofluoromethane	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Vinyl acetate	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Vinyl chloride	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Xylenes, Total	ND	3.3	16	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Methylcyclohexane	ND	2.2	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Acrolein	ND	14	27	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM
Acrylonitrile	ND	1.1	5.5	U	µg/Kg-dry	1	10/17/2018 5:24:00 PM

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Original

ELAP ID : 11418

CLIENT: Galli Engineering, P.C.
Lab Order: 1810111
Project: 2337 12th Ave., New York, NY
Lab ID: 1810111-003B

Client Sample ID: SB-4
Collection Date: 10/11/2018 10:45:00 AM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PERCENT MOISTURE			D2216				Analyst: KK
Percent Moisture	5.77	0	1.00		wt%	1	10/16/2018 10:03:07 AM
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Biphenyl	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
1,2,4-Trichlorobenzene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
1,2-Dichlorobenzene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
1,3-Dichlorobenzene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
1,4-Dichlorobenzene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
2,4,5-Trichlorophenol	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
2,4,6-Trichlorophenol	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
2,4-Dichlorophenol	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
2,4-Dimethylphenol	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
2,4-Dinitrophenol	ND	51	510	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
2,4-Dinitrotoluene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
2,6-Dinitrotoluene	ND	51	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
2-Chloronaphthalene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
2-Chlorophenol	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
2-Methylnaphthalene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
2-Methylphenol	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
2-Nitroaniline	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
2-Nitrophenol	ND	51	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
3+4-Methylphenol	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
3,3'-Dichlorobenzidine	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
3-Nitroaniline	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
4,6-Dinitro-2-methylphenol	ND	51	510	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
4-Bromophenyl phenyl ether	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
4-Chloro-3-methylphenol	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
4-Chloroaniline	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
4-Chlorophenyl phenyl ether	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
4-Nitroaniline	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
4-Nitrophenol	ND	51	510	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Acenaphthene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Acenaphthylene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM

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Original

ELAP ID : 11418

CLIENT:	Galli Engineering, P.C.	Client Sample ID:	SB-4
Lab Order:	1810111	Collection Date:	10/11/2018 10:45:00 AM
Project:	2337 12th Ave., New York, NY	Matrix:	SOIL
Lab ID:	1810111-003B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Acetophenone	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Aniline	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Anthracene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Atrazine	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Azobenzene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Benzaldehyde	ND	51	510	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Benzidine	ND	51	510	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Benzo(a)anthracene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Benzo(a)pyrene	ND	26	150	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Benzo(b)fluoranthene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Benzo(g,h,i)perylene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Benzo(k)fluoranthene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Benzoic acid	ND	51	510	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Benzyl alcohol	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Bis(2-chloroethoxy)methane	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Bis(2-chloroethyl)ether	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Bis(2-chloroisopropyl)ether	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Bis(2-ethylhexyl)phthalate	ND	51	510	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Butyl benzyl phthalate	ND	51	510	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Caprolactam	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Carbazole	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Chrysene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Di-n-butyl phthalate	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Di-n-octyl phthalate	ND	51	510	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Dibenzo(a,h)anthracene	ND	26	150	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Dibenzofuran	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Diethyl phthalate	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Dimethyl phthalate	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Fluoranthene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Fluorene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Hexachlorobenzene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Hexachlorobutadiene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Hexachlorocyclopentadiene	ND	51	510	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM

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 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



Original

ELAP ID : 11418

CLIENT:	Galli Engineering, P.C.	Client Sample ID:	SB-4
Lab Order:	1810111	Collection Date:	10/11/2018 10:45:00 AM
Project:	2337 12th Ave., New York, NY	Matrix:	SOIL
Lab ID:	1810111-003B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Hexachloroethane	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Indeno(1,2,3-c,d)pyrene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Isophorone	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
N-Nitrosodi-n-propylamine	ND	26	150	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
N-Nitrosodimethylamine	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
N-Nitrosodiphenylamine	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Naphthalene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Nitrobenzene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Parathion	ND	51	510	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Pentachlorophenol	ND	51	510	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Phenanthrene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Phenol	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Pyrene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM
Pyridine	ND	26	260	U	µg/Kg-dry	1	10/18/2018 3:56:00 PM



ELAP ID : 11418

CLIENT:	Galli Engineering, P.C.	Client Sample ID:	SB-6
Lab Order:	1810111	Collection Date:	10/11/2018 10:45:00 AM
Project:	2337 12th Ave., New York, NY	Matrix:	SOIL
Lab ID:	1810111-004A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C	SW5035A	Analyst: LA		
1,1,1,2-Tetrachloroethane	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
1,1,1-Trichloroethane	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
1,1,2,2-Tetrachloroethane	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
1,1,2-Trichloroethane	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
1,1-Dichloroethane	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
1,1-Dichloroethene	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
1,1-Dichloropropene	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
1,2,3-Trichlorobenzene	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
1,2,3-Trichloropropane	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
1,2,4,5-Tetramethylbenzene	12000	51	260	D	µg/Kg-dry	50	10/18/2018 3:12:00 AM
1,2,4-Trichlorobenzene	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
1,2,4-Trimethylbenzene	1300	51	260	D	µg/Kg-dry	50	10/18/2018 3:12:00 AM
1,2-Dibromo-3-chloropropane	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
1,2-Dibromoethane	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
1,2-Dichlorobenzene	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
1,2-Dichloroethane	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
1,2-Dichloropropane	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
1,3,5-Trimethylbenzene	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
1,3-Dichlorobenzene	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
1,3-dichloropropane	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
1,4-Dichlorobenzene	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
1,4-Dioxane	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
2,2-Dichloropropane	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
2-Butanone	ND	260	510	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
2-Chloroethyl vinyl ether	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
2-Chlorotoluene	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
2-Hexanone	ND	260	510	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
2-Propanol	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
4-Chlorotoluene	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
4-Isopropyltoluene	150	51	260	DJ	µg/Kg-dry	50	10/18/2018 3:12:00 AM
4-Methyl-2-pentanone	ND	260	510	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Acetone	ND	260	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM

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Original

ELAP ID : 11418

CLIENT: Galli Engineering, P.C.

Client Sample ID: SB-6

Lab Order: 1810111

Collection Date: 10/11/2018 10:45:00 AM

Project: 2337 12th Ave., New York, NY

Matrix: SOIL

Lab ID: 1810111-004A

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C		SW5035A		Analyst: LA
Benzene	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Bromobenzene	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Bromochloromethane	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Bromodichloromethane	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Bromoform	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Bromomethane	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Carbon disulfide	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Carbon tetrachloride	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Chlorobenzene	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Chlorodifluoromethane	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Chloroethane	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Chloroform	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Chloromethane	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
cis-1,2-Dichloroethene	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
cis-1,3-Dichloropropene	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Cyclohexane	ND	100	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Dibromochloromethane	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Dibromomethane	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Dichlorodifluoromethane	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Diisopropyl ether	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Ethanol	ND	510	1000	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Ethylbenzene	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Freon-114	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Hexachlorobutadiene	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Isopropylbenzene	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
m,p-Xylene	ND	100	510	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Methyl Acetate	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Methyl tert-butyl ether	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Methylene chloride	ND	260	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
n-Butylbenzene	210	51	260	DJ	µg/Kg-dry	50	10/18/2018 3:12:00 AM
n-Propylbenzene	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Naphthalene	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
o-Xylene	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM

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Original

ELAP ID : 11418

CLIENT: Galli Engineering, P.C.

Client Sample ID: SB-6

Lab Order: 1810111

Collection Date: 10/11/2018 10:45:00 AM

Project: 2337 12th Ave., New York, NY

Matrix: SOIL

Lab ID: 1810111-004A

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C		SW5035A		Analyst: LA
p-Diethylbenzene	530	51	260	D	µg/Kg-dry	50	10/18/2018 3:12:00 AM
p-Ethyltoluene	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
sec-Butylbenzene	130	51	260	DJ	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Styrene	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
t-Butyl alcohol	ND	130	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
tert-Butylbenzene	420	51	260	D	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Tetrachloroethene	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Toluene	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
trans-1,2-Dichloroethene	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
trans-1,3-Dichloropropene	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Trichloroethene	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Trichlorofluoromethane	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Vinyl acetate	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Vinyl chloride	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Xylenes, Total	ND	150	770	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Methylcyclohexane	210	100	260	DJ	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Acrolein	ND	640	1300	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM
Acrylonitrile	ND	51	260	DU	µg/Kg-dry	50	10/18/2018 3:12:00 AM



ELAP ID : 11418

CLIENT: Galli Engineering, P.C.
Lab Order: 1810111
Project: 2337 12th Ave., New York, NY
Lab ID: 1810111-004B

Client Sample ID: SB-6
Collection Date: 10/11/2018 10:45:00 AM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PERCENT MOISTURE			D2216				Analyst: KK
Percent Moisture	3.31	0	1.00		wt%	1	10/16/2018 10:03:07 AM
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Biphenyl	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
1,2,4-Trichlorobenzene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
1,2-Dichlorobenzene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
1,3-Dichlorobenzene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
1,4-Dichlorobenzene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
2,4,5-Trichlorophenol	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
2,4,6-Trichlorophenol	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
2,4-Dichlorophenol	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
2,4-Dimethylphenol	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
2,4-Dinitrophenol	ND	50	500	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
2,4-Dinitrotoluene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
2,6-Dinitrotoluene	ND	50	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
2-Chloronaphthalene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
2-Chlorophenol	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
2-Methylnaphthalene	5100	250	2500	D	µg/Kg-dry	10	10/19/2018 2:58:00 PM
2-Methylphenol	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
2-Nitroaniline	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
2-Nitrophenol	ND	50	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
3+4-Methylphenol	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
3,3'-Dichlorobenzidine	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
3-Nitroaniline	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
4,6-Dinitro-2-methylphenol	ND	50	500	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
4-Bromophenyl phenyl ether	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
4-Chloro-3-methylphenol	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
4-Chloroaniline	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
4-Chlorophenyl phenyl ether	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
4-Nitroaniline	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
4-Nitrophenol	ND	50	500	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Acenaphthene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Acenaphthylene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM

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Original

ELAP ID : 11418

CLIENT:	Galli Engineering, P.C.	Client Sample ID:	SB-6
Lab Order:	1810111	Collection Date:	10/11/2018 10:45:00 AM
Project:	2337 12th Ave., New York, NY	Matrix:	SOIL
Lab ID:	1810111-004B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Acetophenone	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Aniline	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Anthracene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Atrazine	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Azobenzene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Benzaldehyde	ND	50	500	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Benzidine	ND	50	500	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Benzo(a)anthracene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Benzo(a)pyrene	ND	25	150	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Benzo(b)fluoranthene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Benzo(g,h,i)perylene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Benzo(k)fluoranthene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Benzoic acid	ND	50	500	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Benzyl alcohol	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Bis(2-chloroethoxy)methane	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Bis(2-chloroethyl)ether	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Bis(2-chloroisopropyl)ether	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Bis(2-ethylhexyl)phthalate	1000	50	500		µg/Kg-dry	1	10/18/2018 4:23:00 PM
Butyl benzyl phthalate	450	50	500	J	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Caprolactam	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Carbazole	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Chrysene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Di-n-butyl phthalate	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Di-n-octyl phthalate	ND	50	500	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Dibenzo(a,h)anthracene	ND	25	150	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Dibenzofuran	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Diethyl phthalate	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Dimethyl phthalate	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Fluoranthene	37	25	250	J	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Fluorene	440	25	250		µg/Kg-dry	1	10/18/2018 4:23:00 PM
Hexachlorobenzene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Hexachlorobutadiene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Hexachlorocyclopentadiene	ND	50	500	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM

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Original

ELAP ID : 11418

CLIENT: Galli Engineering, P.C.

Client Sample ID: SB-6

Lab Order: 1810111

Collection Date: 10/11/2018 10:45:00 AM

Project: 2337 12th Ave., New York, NY

Matrix: SOIL

Lab ID: 1810111-004B

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270							
			SW8270D				Analyst: MH
Hexachloroethane	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Indeno(1,2,3-c,d)pyrene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Isophorone	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
N-Nitrosodi-n-propylamine	ND	25	150	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
N-Nitrosodimethylamine	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
N-Nitrosodiphenylamine	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Naphthalene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Nitrobenzene	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Parathion	ND	50	500	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Pentachlorophenol	ND	50	500	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Phenanthrene	980	25	250		µg/Kg-dry	1	10/18/2018 4:23:00 PM
Phenol	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Pyrene	130	25	250	J	µg/Kg-dry	1	10/18/2018 4:23:00 PM
Pyridine	ND	25	250	U	µg/Kg-dry	1	10/18/2018 4:23:00 PM



ELAP ID : 11418

CLIENT:	Galli Engineering, P.C.	Client Sample ID:	SB-7
Lab Order:	1810111	Collection Date:	10/11/2018 11:30:00 AM
Project:	2337 12th Ave., New York, NY	Matrix:	SOIL
Lab ID:	1810111-005A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C	SW5035A	Analyst: LA		
1,1,1,2-Tetrachloroethane	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
1,1,1-Trichloroethane	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
1,1,2,2-Tetrachloroethane	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
1,1,2-Trichloroethane	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
1,1-Dichloroethane	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
1,1-Dichloroethene	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
1,1-Dichloropropene	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
1,2,3-Trichlorobenzene	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
1,2,3-Trichloropropane	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
1,2,4,5-Tetramethylbenzene	9600	52	260	D	µg/Kg-dry	50	10/18/2018 3:42:00 AM
1,2,4-Trichlorobenzene	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
1,2,4-Trimethylbenzene	55	52	260	DJ	µg/Kg-dry	50	10/18/2018 3:42:00 AM
1,2-Dibromo-3-chloropropane	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
1,2-Dibromoethane	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
1,2-Dichlorobenzene	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
1,2-Dichloroethane	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
1,2-Dichloropropane	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
1,3,5-Trimethylbenzene	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
1,3-Dichlorobenzene	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
1,3-dichloropropane	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
1,4-Dichlorobenzene	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
1,4-Dioxane	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
2,2-Dichloropropane	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
2-Butanone	ND	260	520	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
2-Chloroethyl vinyl ether	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
2-Chlorotoluene	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
2-Hexanone	ND	260	520	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
2-Propanol	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
4-Chlorotoluene	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
4-Isopropyltoluene	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
4-Methyl-2-pentanone	ND	260	520	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Acetone	ND	260	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM

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Original

American Analytical Laboratories, LLC.

Date: 23-Oct-18

ELAP ID : 11418

CLIENT:	Galli Engineering, P.C.	Client Sample ID:	SB-7
Lab Order:	1810111	Collection Date:	10/11/2018 11:30:00 AM
Project:	2337 12th Ave., New York, NY	Matrix:	SOIL
Lab ID:	1810111-005A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C	SW5035A	Analyst: LA		
Benzene	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Bromobenzene	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Bromochloromethane	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Bromodichloromethane	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Bromoform	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Bromomethane	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Carbon disulfide	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Carbon tetrachloride	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Chlorobenzene	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Chlorodifluoromethane	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Chloroethane	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Chloroform	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Chloromethane	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
cis-1,2-Dichloroethene	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
cis-1,3-Dichloropropene	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Cyclohexane	ND	100	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Dibromochloromethane	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Dibromomethane	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Dichlorodifluoromethane	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Diisopropyl ether	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Ethanol	ND	520	1000	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Ethylbenzene	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Freon-114	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Hexachlorobutadiene	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Isopropylbenzene	1000	52	260	D	µg/Kg-dry	50	10/18/2018 3:42:00 AM
m,p-Xylene	ND	100	520	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Methyl Acetate	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Methyl tert-butyl ether	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Methylene chloride	ND	260	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
n-Butylbenzene	2900	52	260	D	µg/Kg-dry	50	10/18/2018 3:42:00 AM
n-Propylbenzene	2800	52	260	D	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Naphthalene	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
o-Xylene	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM

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Original

ELAP ID : 11418

CLIENT: Galli Engineering, P.C.
Lab Order: 1810111
Project: 2337 12th Ave., New York, NY
Lab ID: 1810111-005A

Client Sample ID: SB-7
Collection Date: 10/11/2018 11:30:00 AM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C		SW5035A		Analyst: LA
p-Diethylbenzene	3100	52	260	D	µg/Kg-dry	50	10/18/2018 3:42:00 AM
p-Ethyltoluene	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
sec-Butylbenzene	3800	52	260	D	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Styrene	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
t-Butyl alcohol	ND	130	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
tert-Butylbenzene	590	52	260	D	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Tetrachloroethene	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Toluene	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
trans-1,2-Dichloroethene	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
trans-1,3-Dichloropropene	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Trichloroethene	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Trichlorofluoromethane	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Vinyl acetate	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Vinyl chloride	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Xylenes, Total	ND	160	780	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Methylcyclohexane	370	100	260	D	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Acrolein	ND	650	1300	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM
Acrylonitrile	ND	52	260	DU	µg/Kg-dry	50	10/18/2018 3:42:00 AM



ELAP ID : 11418

CLIENT: Galli Engineering, P.C.
Lab Order: 1810111
Project: 2337 12th Ave., New York, NY
Lab ID: 1810111-005B

Client Sample ID: SB-7
Collection Date: 10/11/2018 11:30:00 AM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PERCENT MOISTURE			D2216				Analyst: KK
Percent Moisture	5.85	0	1.00		wt%	1	10/16/2018 10:03:07 AM
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Biphenyl	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
1,2,4-Trichlorobenzene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
1,2-Dichlorobenzene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
1,3-Dichlorobenzene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
1,4-Dichlorobenzene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
2,4,5-Trichlorophenol	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
2,4,6-Trichlorophenol	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
2,4-Dichlorophenol	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
2,4-Dimethylphenol	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
2,4-Dinitrophenol	ND	51	510	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
2,4-Dinitrotoluene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
2,6-Dinitrotoluene	ND	51	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
2-Chloronaphthalene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
2-Chlorophenol	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
2-Methylnaphthalene	2000	26	260		µg/Kg-dry	1	10/18/2018 4:49:00 PM
2-Methylphenol	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
2-Nitroaniline	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
2-Nitrophenol	ND	51	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
3+4-Methylphenol	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
3,3'-Dichlorobenzidine	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
3-Nitroaniline	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
4,6-Dinitro-2-methylphenol	ND	51	510	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
4-Bromophenyl phenyl ether	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
4-Chloro-3-methylphenol	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
4-Chloroaniline	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
4-Chlorophenyl phenyl ether	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
4-Nitroaniline	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
4-Nitrophenol	ND	51	510	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Acenaphthene	87	26	260	J	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Acenaphthylene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM

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Original

ELAP ID : 11418

CLIENT:	Galli Engineering, P.C.	Client Sample ID:	SB-7
Lab Order:	1810111	Collection Date:	10/11/2018 11:30:00 AM
Project:	2337 12th Ave., New York, NY	Matrix:	SOIL
Lab ID:	1810111-005B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Acetophenone	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Aniline	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Anthracene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Atrazine	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Azobenzene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Benzaldehyde	ND	51	510	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Benzidine	ND	51	510	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Benzo(a)anthracene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Benzo(a)pyrene	ND	26	150	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Benzo(b)fluoranthene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Benzo(g,h,i)perylene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Benzo(k)fluoranthene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Benzoic acid	ND	51	510	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Benzyl alcohol	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Bis(2-chloroethoxy)methane	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Bis(2-chloroethyl)ether	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Bis(2-chloroisopropyl)ether	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Bis(2-ethylhexyl)phthalate	1000	51	510		µg/Kg-dry	1	10/18/2018 4:49:00 PM
Butyl benzyl phthalate	99	51	510	J	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Caprolactam	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Carbazole	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Chrysene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Di-n-butyl phthalate	52	26	260	J	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Di-n-octyl phthalate	ND	51	510	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Dibenzo(a,h)anthracene	ND	26	150	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Dibenzofuran	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Diethyl phthalate	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Dimethyl phthalate	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Fluoranthene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Fluorene	130	26	260	J	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Hexachlorobenzene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Hexachlorobutadiene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Hexachlorocyclopentadiene	ND	51	510	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM

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Original

American Analytical Laboratories, LLC.

Date: 23-Oct-18

ELAP ID : 11418

CLIENT: Galli Engineering, P.C.

Client Sample ID: SB-7

Lab Order: 1810111

Collection Date: 10/11/2018 11:30:00 AM

Project: 2337 12th Ave., New York, NY

Matrix: SOIL

Lab ID: 1810111-005B

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270							
			SW8270D				Analyst: MH
			SW3546				
Hexachloroethane	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Indeno(1,2,3-c,d)pyrene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Isophorone	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
N-Nitrosodi-n-propylamine	ND	26	150	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
N-Nitrosodimethylamine	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
N-Nitrosodiphenylamine	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Naphthalene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Nitrobenzene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Parathion	ND	51	510	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Pentachlorophenol	ND	51	510	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Phenanthrene	250	26	260	J	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Phenol	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Pyrene	32	26	260	J	µg/Kg-dry	1	10/18/2018 4:49:00 PM
Pyridine	ND	26	260	U	µg/Kg-dry	1	10/18/2018 4:49:00 PM

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Original

ELAP ID : 11418

CLIENT:	Galli Engineering, P.C.	Client Sample ID:	SB-8
Lab Order:	1810111	Collection Date:	10/11/2018 12:15:00 PM
Project:	2337 12th Ave., New York, NY	Matrix:	SOIL
Lab ID:	1810111-006A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C	SW5035A			Analyst: LA
1,1,1,2-Tetrachloroethane	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
1,1,1-Trichloroethane	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
1,1,2,2-Tetrachloroethane	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
1,1,2-Trichloroethane	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
1,1-Dichloroethane	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
1,1-Dichloroethene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
1,1-Dichloropropene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
1,2,3-Trichlorobenzene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
1,2,3-Trichloropropane	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
1,2,4,5-Tetramethylbenzene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
1,2,4-Trichlorobenzene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
1,2,4-Trimethylbenzene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
1,2-Dibromo-3-chloropropane	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
1,2-Dibromoethane	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
1,2-Dichlorobenzene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
1,2-Dichloroethane	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
1,2-Dichloropropane	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
1,3,5-Trimethylbenzene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
1,3-Dichlorobenzene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
1,3-dichloropropane	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
1,4-Dichlorobenzene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
1,4-Dioxane	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
2,2-Dichloropropane	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
2-Butanone	ND	4.7	9.5	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
2-Chloroethyl vinyl ether	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
2-Chlorotoluene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
2-Hexanone	ND	4.7	9.5	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
2-Propanol	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
4-Chlorotoluene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
4-Isopropyltoluene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
4-Methyl-2-pentanone	ND	4.7	9.5	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Acetone	ND	4.7	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM

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Original

American Analytical Laboratories, LLC.

Date: 23-Oct-18

ELAP ID : 11418

CLIENT:	Galli Engineering, P.C.	Client Sample ID:	SB-8
Lab Order:	1810111	Collection Date:	10/11/2018 12:15:00 PM
Project:	2337 12th Ave., New York, NY	Matrix:	SOIL
Lab ID:	1810111-006A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C	SW5035A			Analyst: LA
Benzene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Bromobenzene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Bromochloromethane	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Bromodichloromethane	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Bromoform	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Bromomethane	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Carbon disulfide	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Carbon tetrachloride	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Chlorobenzene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Chlorodifluoromethane	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Chloroethane	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Chloroform	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Chloromethane	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
cis-1,2-Dichloroethene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
cis-1,3-Dichloropropene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Cyclohexane	ND	1.9	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Dibromochloromethane	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Dibromomethane	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Dichlorodifluoromethane	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Diisopropyl ether	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Ethanol	ND	9.5	19	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Ethylbenzene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Freon-114	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Hexachlorobutadiene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Isopropylbenzene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
m,p-Xylene	ND	1.9	9.5	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Methyl Acetate	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Methyl tert-butyl ether	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Methylene chloride	ND	4.7	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
n-Butylbenzene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
n-Propylbenzene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Naphthalene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
o-Xylene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM

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Original

ELAP ID : 11418

CLIENT: Galli Engineering, P.C.

Client Sample ID: SB-8

Lab Order: 1810111

Collection Date: 10/11/2018 12:15:00 PM

Project: 2337 12th Ave., New York, NY

Matrix: SOIL

Lab ID: 1810111-006A

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C	SW5035A			Analyst: LA
p-Diethylbenzene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
p-Ethyltoluene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
sec-Butylbenzene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Styrene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
t-Butyl alcohol	ND	2.4	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
tert-Butylbenzene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Tetrachloroethene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Toluene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
trans-1,2-Dichloroethene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
trans-1,3-Dichloropropene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Trichloroethene	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Trichlorofluoromethane	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Vinyl acetate	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Vinyl chloride	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Xylenes, Total	ND	2.8	14	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Methylcyclohexane	ND	1.9	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Acrolein	ND	12	24	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM
Acrylonitrile	ND	0.95	4.7	U	µg/Kg-dry	1	10/17/2018 5:56:00 PM



ELAP ID : 11418

CLIENT:	Galli Engineering, P.C.	Client Sample ID:	SB-8
Lab Order:	1810111	Collection Date:	10/11/2018 12:15:00 PM
Project:	2337 12th Ave., New York, NY	Matrix:	SOIL
Lab ID:	1810111-006B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PERCENT MOISTURE			D2216				Analyst: KK
Percent Moisture	7.47	0	1.00		wt%	1	10/16/2018 10:03:07 AM
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Biphenyl	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
1,2,4-Trichlorobenzene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
1,2-Dichlorobenzene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
1,3-Dichlorobenzene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
1,4-Dichlorobenzene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
2,4,5-Trichlorophenol	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
2,4,6-Trichlorophenol	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
2,4-Dichlorophenol	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
2,4-Dimethylphenol	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
2,4-Dinitrophenol	ND	53	530	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
2,4-Dinitrotoluene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
2,6-Dinitrotoluene	ND	53	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
2-Chloronaphthalene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
2-Chlorophenol	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
2-Methylnaphthalene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
2-Methylphenol	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
2-Nitroaniline	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
2-Nitrophenol	ND	53	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
3+4-Methylphenol	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
3,3'-Dichlorobenzidine	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
3-Nitroaniline	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
4,6-Dinitro-2-methylphenol	ND	53	530	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
4-Bromophenyl phenyl ether	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
4-Chloro-3-methylphenol	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
4-Chloroaniline	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
4-Chlorophenyl phenyl ether	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
4-Nitroaniline	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
4-Nitrophenol	ND	53	530	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Acenaphthene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Acenaphthylene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM

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Original

ELAP ID : 11418

CLIENT: Galli Engineering, P.C.
Lab Order: 1810111
Project: 2337 12th Ave., New York, NY
Lab ID: 1810111-006B

Client Sample ID: SB-8
Collection Date: 10/11/2018 12:15:00 PM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Acetophenone	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Aniline	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Anthracene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Atrazine	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Azobenzene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Benzaldehyde	ND	53	530	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Benzidine	ND	53	530	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Benzo(a)anthracene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Benzo(a)pyrene	ND	26	160	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Benzo(b)fluoranthene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Benzo(g,h,i)perylene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Benzo(k)fluoranthene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Benzoic acid	ND	53	530	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Benzyl alcohol	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Bis(2-chloroethoxy)methane	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Bis(2-chloroethyl)ether	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Bis(2-chloroisopropyl)ether	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Bis(2-ethylhexyl)phthalate	ND	53	530	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Butyl benzyl phthalate	ND	53	530	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Caprolactam	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Carbazole	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Chrysene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Di-n-butyl phthalate	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Di-n-octyl phthalate	ND	53	530	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Dibenzo(a,h)anthracene	ND	26	160	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Dibenzofuran	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Diethyl phthalate	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Dimethyl phthalate	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Fluoranthene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Fluorene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Hexachlorobenzene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Hexachlorobutadiene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Hexachlorocyclopentadiene	ND	53	530	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM

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Original

American Analytical Laboratories, LLC.

Date: 23-Oct-18

ELAP ID : 11418

CLIENT: Galli Engineering, P.C.

Client Sample ID: SB-8

Lab Order: 1810111

Collection Date: 10/11/2018 12:15:00 PM

Project: 2337 12th Ave., New York, NY

Matrix: SOIL

Lab ID: 1810111-006B

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270							
			SW8270D				Analyst: MH
			SW3546				
Hexachloroethane	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Indeno(1,2,3-c,d)pyrene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Isophorone	150	26	260	J	µg/Kg-dry	1	10/18/2018 5:15:00 PM
N-Nitrosodi-n-propylamine	ND	26	160	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
N-Nitrosodimethylamine	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
N-Nitrosodiphenylamine	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Naphthalene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Nitrobenzene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Parathion	ND	53	530	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Pentachlorophenol	ND	53	530	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Phenanthrene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Phenol	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Pyrene	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM
Pyridine	ND	26	260	U	µg/Kg-dry	1	10/18/2018 5:15:00 PM

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Original

ELAP ID : 11418

CLIENT:	Galli Engineering, P.C.	Client Sample ID:	GW-1
Lab Order:	1810111	Collection Date:	10/11/2018 1:00:00 PM
Project:	2337 12th Ave., New York, NY	Matrix:	LIQUID
Lab ID:	1810111-007A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C	SW5030C	Analyst: LA		
1,1,1,2-Tetrachloroethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
1,1,1-Trichloroethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
1,1,2,2-Tetrachloroethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
1,1,2-Trichloroethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
1,1-Dichloroethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
1,1-Dichloroethene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
1,1-Dichloropropene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
1,2,3-Trichlorobenzene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
1,2,3-Trichloropropane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
1,2,4,5-Tetramethylbenzene	120	0.25	2.0		µg/L	1	10/17/2018 4:11:00 AM
1,2,4-Trichlorobenzene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
1,2,4-Trimethylbenzene	4.5	0.25	2.0		µg/L	1	10/17/2018 4:11:00 AM
1,2-Dibromo-3-chloropropane	ND	0.030	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
1,2-Dibromoethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
1,2-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
1,2-Dichloroethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
1,2-Dichloropropane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
1,3,5-Trimethylbenzene	0.28	0.25	2.0	J	µg/L	1	10/17/2018 4:11:00 AM
1,3-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
1,3-dichloropropane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
1,4-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
1,4-Dioxane	ND	0.25	1.0	U	µg/L	1	10/17/2018 4:11:00 AM
2,2-Dichloropropane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
2-Butanone	ND	0.50	4.0	U	µg/L	1	10/17/2018 4:11:00 AM
2-Chloroethyl vinyl ether	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
2-Chlorotoluene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
2-Hexanone	ND	0.50	4.0	U	µg/L	1	10/17/2018 4:11:00 AM
2-Propanol	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
4-Chlorotoluene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
4-Isopropyltoluene	0.46	0.25	2.0	J	µg/L	1	10/17/2018 4:11:00 AM
4-Methyl-2-pentanone	ND	0.50	4.0	U	µg/L	1	10/17/2018 4:11:00 AM
Acetone	ND	5.0	5.0	U	µg/L	1	10/17/2018 4:11:00 AM

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Original

ELAP ID : 11418

CLIENT:	Galli Engineering, P.C.	Client Sample ID:	GW-1
Lab Order:	1810111	Collection Date:	10/11/2018 1:00:00 PM
Project:	2337 12th Ave., New York, NY	Matrix:	LIQUID
Lab ID:	1810111-007A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C		SW5030C		Analyst: LA
Benzene	0.58	0.25	2.0	J	µg/L	1	10/17/2018 4:11:00 AM
Bromobenzene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
Bromochloromethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
Bromodichloromethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
Bromoform	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
Bromomethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
Carbon disulfide	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
Carbon tetrachloride	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
Chlorobenzene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
Chlorodifluoromethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
Chloroethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
Chloroform	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
Chloromethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
cis-1,2-Dichloroethene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
cis-1,3-Dichloropropene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
Cyclohexane	4.3	0.25	2.0		µg/L	1	10/17/2018 4:11:00 AM
Dibromochloromethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
Dibromomethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
Dichlorodifluoromethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
Diisopropyl ether	ND	0.50	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
Ethanol	ND	2.5	10	U	µg/L	1	10/17/2018 4:11:00 AM
Ethylbenzene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
Freon-114	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
Hexachlorobutadiene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
Isopropylbenzene	25	0.25	2.0		µg/L	1	10/17/2018 4:11:00 AM
m,p-Xylene	ND	0.50	4.0	U	µg/L	1	10/17/2018 4:11:00 AM
Methyl Acetate	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
Methyl tert-butyl ether	0.28	0.25	2.0	J	µg/L	1	10/17/2018 4:11:00 AM
Methylene chloride	ND	5.0	5.0	U	µg/L	1	10/17/2018 4:11:00 AM
n-Butylbenzene	23	0.25	2.0		µg/L	1	10/17/2018 4:11:00 AM
n-Propylbenzene	60	0.25	2.0		µg/L	1	10/17/2018 4:11:00 AM
Naphthalene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
o-Xylene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM

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Original

American Analytical Laboratories, LLC.

Date: 23-Oct-18

ELAP ID : 11418**CLIENT:** Galli Engineering, P.C.**Client Sample ID:** GW-1**Lab Order:** 1810111**Collection Date:** 10/11/2018 1:00:00 PM**Project:** 2337 12th Ave., New York, NY**Matrix:** LIQUID**Lab ID:** 1810111-007A**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C		SW5030C		Analyst: LA
p-Diethylbenzene	24	0.25	2.0		µg/L	1	10/17/2018 4:11:00 AM
p-Ethyltoluene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
sec-Butylbenzene	36	0.25	2.0		µg/L	1	10/17/2018 4:11:00 AM
Styrene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
t-Butyl alcohol	ND	2.5	10	U	µg/L	1	10/17/2018 4:11:00 AM
tert-Butylbenzene	16	0.25	2.0		µg/L	1	10/17/2018 4:11:00 AM
Tetrachloroethene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
Toluene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
trans-1,2-Dichloroethene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
trans-1,3-Dichloropropene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
Trichloroethene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
Trichlorofluoromethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
Vinyl acetate	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
Vinyl chloride	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM
Xylenes, Total	ND	0.75	6.0	U	µg/L	1	10/17/2018 4:11:00 AM
Methylcyclohexane	39	0.25	2.0		µg/L	1	10/17/2018 4:11:00 AM
Acrolein	ND	1.0	10	U	µg/L	1	10/17/2018 4:11:00 AM
Acrylonitrile	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:11:00 AM

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Original

ELAP ID : 11418

CLIENT:	Galli Engineering, P.C.	Client Sample ID:	GW-1
Lab Order:	1810111	Collection Date:	10/11/2018 1:00:00 PM
Project:	2337 12th Ave., New York, NY	Matrix:	LIQUID
Lab ID:	1810111-007B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D	SW3510C			Analyst: MH
Biphenyl	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
1,2,4-Trichlorobenzene	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
1,2-Dichlorobenzene	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
1,3-Dichlorobenzene	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
1,4-Dichlorobenzene	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
2,4,5-Trichlorophenol	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
2,4,6-Trichlorophenol	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
2,4-Dichlorophenol	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
2,4-Dimethylphenol	ND	11	110	DU	µg/L	10	10/19/2018 11:15:00 AM
2,4-Dinitrophenol	ND	11	110	DU	µg/L	10	10/19/2018 11:15:00 AM
2,4-Dinitrotoluene	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
2,6-Dinitrotoluene	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
2-Chloronaphthalene	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
2-Chlorophenol	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
2-Methylnaphthalene	80	5.6	56	D	µg/L	10	10/19/2018 11:15:00 AM
2-Methylphenol	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
2-Nitroaniline	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
2-Nitrophenol	ND	11	110	DU	µg/L	10	10/19/2018 11:15:00 AM
3+4-Methylphenol	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
3,3'-Dichlorobenzidine	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
3-Nitroaniline	ND	11	110	DU	µg/L	10	10/19/2018 11:15:00 AM
4,6-Dinitro-2-methylphenol	ND	11	110	DU	µg/L	10	10/19/2018 11:15:00 AM
4-Bromophenyl phenyl ether	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
4-Chloro-3-methylphenol	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
4-Chloroaniline	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
4-Chlorophenyl phenyl ether	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
4-Nitroaniline	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
4-Nitrophenol	ND	11	110	DU	µg/L	10	10/19/2018 11:15:00 AM
Acenaphthene	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
Acenaphthylene	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
Acetophenone	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
Aniline	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
Anthracene	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM

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Original

ELAP ID : 11418

CLIENT:	Galli Engineering, P.C.	Client Sample ID:	GW-1
Lab Order:	1810111	Collection Date:	10/11/2018 1:00:00 PM
Project:	2337 12th Ave., New York, NY	Matrix:	LIQUID
Lab ID:	1810111-007B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3510C		Analyst: MH
Atrazine	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
Azobenzene	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
Benzaldehyde	ND	11	110	DU	µg/L	10	10/19/2018 11:15:00 AM
Benzidine	ND	11	110	DU	µg/L	10	10/19/2018 11:15:00 AM
Benzo(a)anthracene	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
Benzo(a)pyrene	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
Benzo(b)fluoranthene	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
Benzo(g,h,i)perylene	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
Benzo(k)fluoranthene	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
Benzoic acid	ND	11	110	DU	µg/L	10	10/19/2018 11:15:00 AM
Benzyl alcohol	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
Bis(2-chloroethoxy)methane	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
Bis(2-chloroethyl)ether	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
Bis(2-chloroisopropyl)ether	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
Bis(2-ethylhexyl)phthalate	ND	11	110	DU	µg/L	10	10/19/2018 11:15:00 AM
Butyl benzyl phthalate	ND	11	110	DU	µg/L	10	10/19/2018 11:15:00 AM
Caprolactam	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
Carbazole	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
Chrysene	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
Di-n-butyl phthalate	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
Di-n-octyl phthalate	ND	11	110	DU	µg/L	10	10/19/2018 11:15:00 AM
Dibenzo(a,h)anthracene	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
Dibenzofuran	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
Diethyl phthalate	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
Dimethyl phthalate	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
Fluoranthene	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
Fluorene	5.7	5.6	56	DJ	µg/L	10	10/19/2018 11:15:00 AM
Hexachlorobenzene	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
Hexachlorobutadiene	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
Hexachlorocyclopentadiene	ND	11	110	DU	µg/L	10	10/19/2018 11:15:00 AM
Hexachloroethane	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
Indeno(1,2,3-c,d)pyrene	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
Isophorone	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM

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Original

American Analytical Laboratories, LLC.

Date: 23-Oct-18

ELAP ID : 11418

CLIENT:	Galli Engineering, P.C.	Client Sample ID:	GW-1
Lab Order:	1810111	Collection Date:	10/11/2018 1:00:00 PM
Project:	2337 12th Ave., New York, NY	Matrix:	LIQUID
Lab ID:	1810111-007B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270							
			SW8270D				Analyst: MH
			SW3510C				
N-Nitrosodi-n-propylamine	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
N-Nitrosodimethylamine	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
N-Nitrosodiphenylamine	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
Naphthalene	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
Nitrobenzene	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
Parathion	ND	11	110	DU	µg/L	10	10/19/2018 11:15:00 AM
Pentachlorophenol	ND	11	110	DU	µg/L	10	10/19/2018 11:15:00 AM
Phenanthrene	8.5	5.6	56	DJ	µg/L	10	10/19/2018 11:15:00 AM
Phenol	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
Pyrene	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM
Pyridine	ND	5.6	56	DU	µg/L	10	10/19/2018 11:15:00 AM

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Original

ELAP ID : 11418

CLIENT:	Galli Engineering, P.C.	Client Sample ID:	GW-2
Lab Order:	1810111	Collection Date:	10/11/2018 2:00:00 PM
Project:	2337 12th Ave., New York, NY	Matrix:	LIQUID
Lab ID:	1810111-008A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C		SW5030C		Analyst: LA
1,1,1,2-Tetrachloroethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
1,1,1-Trichloroethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
1,1,2,2-Tetrachloroethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
1,1,2-Trichloroethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
1,1-Dichloroethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
1,1-Dichloroethene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
1,1-Dichloropropene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
1,2,3-Trichlorobenzene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
1,2,3-Trichloropropane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
1,2,4,5-Tetramethylbenzene	240	2.5	20	D	µg/L	10	10/17/2018 4:42:00 PM
1,2,4-Trichlorobenzene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
1,2,4-Trimethylbenzene	260	2.5	20	D	µg/L	10	10/17/2018 4:42:00 PM
1,2-Dibromo-3-chloropropane	ND	0.030	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
1,2-Dibromoethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
1,2-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
1,2-Dichloroethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
1,2-Dichloropropane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
1,3,5-Trimethylbenzene	140	0.25	2.0		µg/L	1	10/17/2018 4:41:00 AM
1,3-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
1,3-dichloropropane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
1,4-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
1,4-Dioxane	ND	0.25	1.0	U	µg/L	1	10/17/2018 4:41:00 AM
2,2-Dichloropropane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
2-Butanone	ND	0.50	4.0	U	µg/L	1	10/17/2018 4:41:00 AM
2-Chloroethyl vinyl ether	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
2-Chlorotoluene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
2-Hexanone	ND	0.50	4.0	U	µg/L	1	10/17/2018 4:41:00 AM
2-Propanol	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
4-Chlorotoluene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
4-Isopropyltoluene	74	0.25	2.0		µg/L	1	10/17/2018 4:41:00 AM
4-Methyl-2-pentanone	ND	0.50	4.0	U	µg/L	1	10/17/2018 4:41:00 AM
Acetone	ND	5.0	5.0	U	µg/L	1	10/17/2018 4:41:00 AM

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Original

American Analytical Laboratories, LLC.

Date: 23-Oct-18

ELAP ID : 11418

CLIENT:	Galli Engineering, P.C.	Client Sample ID:	GW-2
Lab Order:	1810111	Collection Date:	10/11/2018 2:00:00 PM
Project:	2337 12th Ave., New York, NY	Matrix:	LIQUID
Lab ID:	1810111-008A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C		SW5030C		Analyst: LA
Benzene	0.98	0.25	2.0	J	µg/L	1	10/17/2018 4:41:00 AM
Bromobenzene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
Bromochloromethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
Bromodichloromethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
Bromoform	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
Bromomethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
Carbon disulfide	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
Carbon tetrachloride	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
Chlorobenzene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
Chlorodifluoromethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
Chloroethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
Chloroform	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
Chloromethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
cis-1,2-Dichloroethene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
cis-1,3-Dichloropropene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
Cyclohexane	5.0	0.25	2.0		µg/L	1	10/17/2018 4:41:00 AM
Dibromochloromethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
Dibromomethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
Dichlorodifluoromethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
Diisopropyl ether	ND	0.50	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
Ethanol	ND	2.5	10	U	µg/L	1	10/17/2018 4:41:00 AM
Ethylbenzene	2.9	0.25	2.0		µg/L	1	10/17/2018 4:41:00 AM
Freon-114	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
Hexachlorobutadiene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
Isopropylbenzene	90	0.25	2.0		µg/L	1	10/17/2018 4:41:00 AM
m,p-Xylene	ND	0.50	4.0	U	µg/L	1	10/17/2018 4:41:00 AM
Methyl Acetate	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
Methyl tert-butyl ether	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
Methylene chloride	ND	5.0	5.0	U	µg/L	1	10/17/2018 4:41:00 AM
n-Butylbenzene	64	2.5	20	D	µg/L	10	10/17/2018 4:42:00 PM
n-Propylbenzene	120	2.5	20	D	µg/L	10	10/17/2018 4:42:00 PM
Naphthalene	54	0.25	2.0		µg/L	1	10/17/2018 4:41:00 AM
o-Xylene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM

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Original

American Analytical Laboratories, LLC.

Date: 23-Oct-18

ELAP ID : 11418

CLIENT: Galli Engineering, P.C.

Client Sample ID: GW-2

Lab Order: 1810111

Collection Date: 10/11/2018 2:00:00 PM

Project: 2337 12th Ave., New York, NY

Matrix: LIQUID

Lab ID: 1810111-008A

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C		SW5030C		Analyst: LA
p-Diethylbenzene	87	2.5	20	D	µg/L	10	10/17/2018 4:42:00 PM
p-Ethyltoluene	16	0.25	2.0		µg/L	1	10/17/2018 4:41:00 AM
sec-Butylbenzene	64	2.5	20	D	µg/L	10	10/17/2018 4:42:00 PM
Styrene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
t-Butyl alcohol	ND	2.5	10	U	µg/L	1	10/17/2018 4:41:00 AM
tert-Butylbenzene	58	0.25	2.0		µg/L	1	10/17/2018 4:41:00 AM
Tetrachloroethene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
Toluene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
trans-1,2-Dichloroethene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
trans-1,3-Dichloropropene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
Trichloroethene	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
Trichlorofluoromethane	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
Vinyl acetate	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
Vinyl chloride	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM
Xylenes, Total	ND	0.75	6.0	U	µg/L	1	10/17/2018 4:41:00 AM
Methylcyclohexane	77	0.25	2.0		µg/L	1	10/17/2018 4:41:00 AM
Acrolein	ND	1.0	10	U	µg/L	1	10/17/2018 4:41:00 AM
Acrylonitrile	ND	0.25	2.0	U	µg/L	1	10/17/2018 4:41:00 AM

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Original

ELAP ID : 11418

CLIENT:	Galli Engineering, P.C.	Client Sample ID:	GW-2
Lab Order:	1810111	Collection Date:	10/11/2018 2:00:00 PM
Project:	2337 12th Ave., New York, NY	Matrix:	LIQUID
Lab ID:	1810111-008B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3510C		Analyst: MH
Biphenyl	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
1,2,4-Trichlorobenzene	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
1,2-Dichlorobenzene	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
1,3-Dichlorobenzene	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
1,4-Dichlorobenzene	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
2,4,5-Trichlorophenol	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
2,4,6-Trichlorophenol	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
2,4-Dichlorophenol	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
2,4-Dimethylphenol	ND	10	100	DU	µg/L	10	10/19/2018 11:40:00 AM
2,4-Dinitrophenol	ND	10	100	DU	µg/L	10	10/19/2018 11:40:00 AM
2,4-Dinitrotoluene	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
2,6-Dinitrotoluene	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
2-Chloronaphthalene	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
2-Chlorophenol	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
2-Methylnaphthalene	260	5.0	50	D	µg/L	10	10/19/2018 11:40:00 AM
2-Methylphenol	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
2-Nitroaniline	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
2-Nitrophenol	ND	10	100	DU	µg/L	10	10/19/2018 11:40:00 AM
3+4-Methylphenol	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
3,3'-Dichlorobenzidine	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
3-Nitroaniline	ND	10	100	DU	µg/L	10	10/19/2018 11:40:00 AM
4,6-Dinitro-2-methylphenol	ND	10	100	DU	µg/L	10	10/19/2018 11:40:00 AM
4-Bromophenyl phenyl ether	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
4-Chloro-3-methylphenol	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
4-Chloroaniline	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
4-Chlorophenyl phenyl ether	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
4-Nitroaniline	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
4-Nitrophenol	ND	10	100	DU	µg/L	10	10/19/2018 11:40:00 AM
Acenaphthene	10	5.0	50	DJ	µg/L	10	10/19/2018 11:40:00 AM
Acenaphthylene	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
Acetophenone	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
Aniline	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
Anthracene	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM

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Original

ELAP ID : 11418

CLIENT: Galli Engineering, P.C.
Lab Order: 1810111
Project: 2337 12th Ave., New York, NY
Lab ID: 1810111-008B

Client Sample ID: GW-2
Collection Date: 10/11/2018 2:00:00 PM
Matrix: LIQUID

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3510C		Analyst: MH
Atrazine	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
Azobenzene	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
Benzaldehyde	ND	10	100	DU	µg/L	10	10/19/2018 11:40:00 AM
Benzidine	ND	10	100	DU	µg/L	10	10/19/2018 11:40:00 AM
Benzo(a)anthracene	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
Benzo(a)pyrene	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
Benzo(b)fluoranthene	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
Benzo(g,h,i)perylene	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
Benzo(k)fluoranthene	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
Benzoic acid	ND	10	100	DU	µg/L	10	10/19/2018 11:40:00 AM
Benzyl alcohol	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
Bis(2-chloroethoxy)methane	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
Bis(2-chloroethyl)ether	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
Bis(2-chloroisopropyl)ether	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
Bis(2-ethylhexyl)phthalate	120	10	100	D	µg/L	10	10/19/2018 11:40:00 AM
Butyl benzyl phthalate	ND	10	100	DU	µg/L	10	10/19/2018 11:40:00 AM
Caprolactam	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
Carbazole	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
Chrysene	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
Di-n-butyl phthalate	7.2	5.0	50	DJ	µg/L	10	10/19/2018 11:40:00 AM
Di-n-octyl phthalate	ND	10	100	DU	µg/L	10	10/19/2018 11:40:00 AM
Dibenzo(a,h)anthracene	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
Dibenzofuran	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
Diethyl phthalate	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
Dimethyl phthalate	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
Fluoranthene	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
Fluorene	15	5.0	50	DJ	µg/L	10	10/19/2018 11:40:00 AM
Hexachlorobenzene	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
Hexachlorobutadiene	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
Hexachlorocyclopentadiene	ND	10	100	DU	µg/L	10	10/19/2018 11:40:00 AM
Hexachloroethane	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
Indeno(1,2,3-c,d)pyrene	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
Isophorone	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM

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Original

American Analytical Laboratories, LLC.

Date: 23-Oct-18

ELAP ID : 11418

CLIENT:	Galli Engineering, P.C.	Client Sample ID:	GW-2
Lab Order:	1810111	Collection Date:	10/11/2018 2:00:00 PM
Project:	2337 12th Ave., New York, NY	Matrix:	LIQUID
Lab ID:	1810111-008B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3510C		Analyst: MH
N-Nitrosodi-n-propylamine	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
N-Nitrosodimethylamine	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
N-Nitrosodiphenylamine	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
Naphthalene	190	5.0	50	D	µg/L	10	10/19/2018 11:40:00 AM
Nitrobenzene	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
Parathion	ND	10	100	DU	µg/L	10	10/19/2018 11:40:00 AM
Pentachlorophenol	ND	10	100	DU	µg/L	10	10/19/2018 11:40:00 AM
Phenanthrene	25	5.0	50	DJ	µg/L	10	10/19/2018 11:40:00 AM
Phenol	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
Pyrene	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM
Pyridine	ND	5.0	50	DU	µg/L	10	10/19/2018 11:40:00 AM

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Original