

February 28, 2017

Ms. Rita Lam
Kings USA Group, Inc.
37-11 Prince St #2c,
Flushing, NY 11354

Re: Phase II Environmental Site Assessment – 17 Clay Street, Brooklyn, NY

Dear Ms. Rita Lam:

ZEB Environmental Solutions, Inc. (ZEB) has prepared the following report to document the results of the Phase II Environmental Site Assessment (ESA) performed at the above referenced property. The scope of work included the collection of soil samples to determine if historic uses or adjacent properties have impacted the subsurface. This information has been used to develop remediation cost estimates, as this property may be redeveloped in the future.

Based on the results this Phase II ESA, soil samples collected onsite reflect native material with minimal historic fill material and meet the Unrestricted Use Soil Clean-Up Objectives (UUSCO). However, several VOC's, SVOC's and Metals were detected at concentrations above their respective NYSDEC Class GA Groundwater Standards in samples collected on an adjacent property and are likely to be present at the subject property. Additionally, since this property has been assigned a HAZMAT E Designation by the New York City Office of Environmental Remediation (NYCOER), a detailed subsurface investigation will be required prior to redevelopment. Finally, NYCOER will likely require that a Remedial Action Plan and Construction Health and Safety Plan be approved to address onsite impacts during redevelopment. Costs associated with the expected environmental requirements during redevelopment are discussed in the Conclusions and Recommendations Section of this report.

BACKGROUND

The Site is located at 17 Clay Street and 56 Commercial Street in Greenpoint Brooklyn, New York and includes an approximately 7,000 square foot parcel, identified as Block 2482, Lots 7 and 8. The property is currently unoccupied and used lumber supply facility and for vehicle storage. The property has been occupied since at least 1887. A site location map is shown on **Figure 1**.

The scope of this investigation was designed to address the Recognized Environmental Concerns (REC's) identified in the Phase I ESA prepared by ZEB in February 2017. The primary REC's of the Phase I ESA were: (1) the subject property's historic use as a lumber supply, (2) the proximity of the subject property to the "Nuhart and Company" Brownfields site located immediately south, (3) the assignment of an "E" designation (E-138) for HAZMAT based upon a review New York City Department of City Planning documents, (4) the known groundwater and soil vapor contamination associated with the adjoining site immediately west as determined in a previous investigation conducted ZEB in November 2016. The objective of the SSI was to determine soil quality beneath the site.

SUBSURFACE INVESTIGATION

In order to determine soil quality, ZEB performed six (6) soil borings. The locations of the soil borings are shown on **Figure 2**. At each boring location, soil samples were collected continuously from grade to a depth of fifteen feet below grade. Samples were collected with a four-foot macro-core sampler and disposable acetate liners, non-dedicated sampling equipment was decontaminated with a laboratory grade detergent and clean water rinse. Soil samples were field screened for the presence of VOCs with a photo-ionization detector (PID).

Since no evidence of soil impact was identified in the field, soil samples from varying depths were submitted for laboratory analysis. Additionally, a potential historic fill-port was identified but inaccessible. A soil boring was placed in close proximity to this location and no evidence of petroleum impact was identified. Soils in each of the six borings were composed of native material. Soil boring logs are contained in **Appendix A**.



Analytical data from the soil samples collected from the soil borings were compared to the Unrestricted Use Soil Cleanup Objectives (UUSCOs) and the Residential Use Soil Clean Up Objectives contained in the NYSDEC Part 375. Analytical data is summarized on **Tables 1** through **4** and a copy of the laboratory analytical report is included in **Appendix B**.

As shown on the tables, all soil samples meet the UUSCOs.

CONCLUSIONS AND RECOMMENDATIONS

The scope of work included the collection of soil samples to determine if historic uses have impacted the subsurface. The results of this investigation have also been used to determine environmental investigation and remediation costs that may be associated with redevelopment of this property.

Based on the results this Phase II Environmental Site Assessment, soil samples collected onsite reflect native material and generally meet Unrestricted Use Soil Clean-Up Objectives. However, several VOC's, SVOC's and Metals were detected at concentrations above their respective NYSDEC Class GA Groundwater Standards in the samples collected at the neighboring site and are very likely to be present at the subject site.

Additionally, this property has been assigned a HAZMAT E Designation by the New York City Office of Environmental Remediation (NYCOER), will likely require that a Remedial Action Plan and Construction Health and Safety Plan be approved to address potential soil vapor groundwater impacts during redevelopment.

Costs associated with an NYCOER Subsurface Investigation to satisfy the E Designation requirement are approximately \$25,000. This includes: the preparation of a Subsurface Investigation Work Plan/Health and Safety Plan; additional soil, groundwater, and soil vapor sampling/analysis; report preparation; and the development of a Remedial Action Plan/Construction Health and Safety Plan to address historic fill material, suspected USTs and potential subsurface contaminants.

It is understood that redevelopment plans may include the construction of a multi-story residential building with a footprint of approximately 7,000 square feet. The Remedial Action Plan that NYCOER will require prior to redevelopment will include:

1. The management and proper disposal of historic fill material and impacted soils. These costs may range from \$100,000 – \$150,000 for building with a full basement.
2. The installation of a subslab depressurization system (SSDS) to prevent the intrusion of soil vapors. An active SSDS would only be appropriate if the proposed building does not contain a basement and is elevated above the groundwater table. Costs associated with the design and installation of an active SSDS may range from \$40,000-\$60,000.
3. Remediation/health and safety oversight and reporting. These costs may range from \$40,000-\$60,000.

If you have any question or comments, please do not hesitate to contact me.

Very truly yours,

Zeb Youngman
President



Tables

Table 1

Soil Analytical Results for Volatile Organic Compounds by EPA Method 8260

17 Clay Street 56 Commercial Street
Brooklyn, NY 11222

Compound	UUSCO*	Residential	SB-1 (9-11') 2/16/17	SB-2 (9-11') 2/16/17	SB-3 (12-14') 2/16/17	SB-4 (4-6') 2/16/17	SB-5 (9-11') 2/16/17	SB-6 (2-4') 2/16/17
Volatile Organic Compounds by 8260 - ug/kg								
1,1,1,2-Tetrachloroethane	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
1,1,1-Trichloroethane	680	100000	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
1,1,2,2-Tetrachloroethane	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
1,1,2-Trichloroethane	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
1,1-Dichloroethane	270	19000	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
1,1-Dichloroethene	330	100000	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
1,1-Dichloropropene	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
1,2,3-Trichlorobenzene	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
1,2,3-Trichloropropane	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
1,2,4,5-Tetramethylbenzene	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
1,2,4-Trichlorobenzene	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
1,2,4-Trimethylbenzene	3600	47000	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
1,2-Dibromo-3-chloropropane	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
1,2-Dibromoethane	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
1,2-Dichlorobenzene	1100	100000	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
1,2-Dichloroethane	20	2300	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
1,2-Dichloropropane	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
1,3,5-Trimethylbenzene	8400	47000	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
1,3-Dichlorobenzene	2400	17000	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
1,3-dichloropropane	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
1,4-Dichlorobenzene	1800	9800	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
1,4-Dioxane	100	9800	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
2,2-Dichloropropane	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
2-Butanone	120	100000	31 DU	5.4 U	5.8 U	5.8 U	5.8 U	5.3 U
2-Chloroethyl vinyl ether	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
2-Chlorotoluene	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
2-Hexanone	NS	NS	31 DU	5.4 U	5.8 U	5.8 U	5.8 U	5.3 U
2-Propanol	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
4-Chlorotoluene	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
4-Isopropyltoluene	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
4-Methyl-2-pentanone	NS	NS	31 DU	5.4 U	5.8 U	5.8 U	5.8 U	5.3 U
Acetone	50	100000	24 BDJ	6.2 B	9 B	8.3 B	13 B	6.4 B
Acrolein	NS	NS	77 DU	13 U	14 U	15 U	14 U	13 U
Acrylonitrile	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
Benzene	60	2900	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
Bromobenzene	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
Bromochloromethane	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
Bromodichloromethane	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
Bromoform	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
Bromomethane	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
Carbon disulfide	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U

Compound	UUSCO*	Residential	SB-1 (9-11') 2/16/17	SB-2 (9-11') 2/16/17	SB-3 (12-14') 2/16/17	SB-4 (4-6') 2/16/17	SB-5 (9-11') 2/16/17	SB-6 (2-4') 2/16/17
Volatile Organic Compounds by 8260 - ug/kg								
Carbon tetrachloride	760	1400	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
Chlorobenzene	1100	100000	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
Chlorodifluoromethane	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
Chloroethane	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
Chloroform	370	10000	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
Chloromethane	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
cis-1,2-Dichloroethene	250	59000	6.1 DU	1.2 J	1.7 J	1.2 U	1.2 U	1.1 U
cis-1,3-Dichloropropene	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
Cyclohexane	NS	NS	12 DU	2.2 U	2.3 U	2.3 U	2.3 U	2.1 U
Dibromochloromethane	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
Dibromomethane	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
Dichlorodifluoromethane	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
Diisopropyl ether	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
Ethanol	NS	NS	61 DU	11 U	12 U	12 U	12 U	11 U
Ethylbenzene	1000	30000	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
Freon-114	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
Hexachlorobutadiene	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
Isopropylbenzene	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
m,p-Xylene	260	100000	12 DU	2.2 U	2.3 U	2.3 U	2.3 U	2.1 U
Methyl Acetate	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
Methyl tert-butyl ether	930	62000	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
Methylene chloride	50	51000	45 BD	6.2 B	7.6 B	9.1 B	7.5 B	6.6 B
Naphthalene	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
n-Butylbenzene	12000	100000	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
n-Propylbenzene	3900	100000	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
o-Xylene	260	100000	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
p-Diethylbenzene	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
p-Ethyltoluene	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
sec-Butylbenzene	11000	100000	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
Styrene	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
t-Butyl alcohol	NS	NS	15 DU	2.7 U	2.9 U	2.9 U	2.9 U	2.7 U
tert-Butylbenzene	5900	100000	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
Tetrachloroethene	1300	5500	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
Toluene	700	100000	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
trans-1,2-Dichloroethene	190	100000	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
trans-1,3-Dichloropropene	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
Trichloroethene	470	10000	29 DJ	53	31	1.2 U	1.2 U	1.1 U
Trichlorofluoromethane	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
Vinyl acetate	NS	NS	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
Vinyl chloride	20	210	6.1 DU	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
Xylenes, Total	260	100000	18 DU	3.2 U	3.5 U	3.5 U	3.5 U	3.2 U

Notes:

(1) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8a 12/06

NS - No standard

U - Not detected above detection limit

Bold/highlighted - indicated exceedance of the Unrestricted Use Soil Cleanup Objectives**Red/Bold** - indicated exceedance of the Restricted Residential Use Soil Cleanup Objectives

B - Compound detected in the laboratory blank

J - Estimated concentration

NA - Not Analyzed

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

Table 2

Soil Analytical Results for Semi-Volatile Organic Compounds by EPA Method 8270

17 Clay Street 56 Commercial Street
Brooklyn, NY 11222

Compound	UUSCO*	Residential	SB-1 (9-11') 2/16/17	SB-2 (9-11') 2/16/17	SB-3 (12-14') 2/16/17	SB-4 (4-6') 2/16/17	SB-5 (9-11') 2/16/17	SB-6 (2-4') 2/16/17
Semi-volatile Organic Compounds by 8270 - ug/kg								
1,2,4-Trichlorobenzene	NA	NA	31 U	27 U	29 U	29.00 U	29 U	28 U
1,2-Dichlorobenzene	1100	100000	31 U	27 U	29 U	29.00 U	29 U	28 U
1,3-Dichlorobenzene	2400	17000	31 U	27 U	29 U	29.00 U	29 U	28 U
1,4-Dichlorobenzene	1800	9800	31 U	27 U	29 U	29.00 U	29 U	28 U
2,4,5-Trichlorophenol	NA	NA	31 U	27 U	29 U	29.00 U	29 U	28 U
2,4,6-Trichlorophenol	NA	NA	31 U	27 U	29 U	29.00 U	29 U	28 U
2,4-Dichlorophenol	NA	NA	31 U	27 U	29 U	29.00 U	29 U	28 U
2,4-Dimethylphenol	NA	NA	31 U	27 U	29 U	29.00 U	29 U	28 U
2,4-Dinitrophenol	NA	NA	62 U	55 U	58 U	58.00 U	59 U	55 U
2,4-Dinitrotoluene	NA	NA	31 U	27 U	29 U	29.00 U	29 U	28 U
2,6-Dinitrotoluene	NA	NA	62 U	55 U	58 U	58.00 U	59 U	55 U
2-Chloronaphthalene	NA	NA	31 U	27 U	29 U	29.00 U	29 U	28 U
2-Chlorophenol	NA	NA	31 U	27 U	29 U	29.00 U	29 U	28 U
2-Methylnaphthalene	NA	NA	31 U	27 U	29 U	29.00 U	29 U	28 U
2-Methylphenol	330	100000	31 U	27 U	29 U	29.00 U	29 U	28 U
2-Nitroaniline	NA	NA	31 U	27 U	29 U	29.00 U	29 U	28 U
2-Nitrophenol	NA	NA	62 U	55 U	58 U	58.00 U	59 U	55 U
3,3'-Dichlorobenzidine	NA	NA	31 U	27 U	29 U	29.00 U	29 U	28 U
3+4-Methylphenol	330	100000	31 U	27 U	29 U	29.00 U	29 U	28 U
3-Nitroaniline	NA	NA	31 U	27 U	29 U	29.00 U	29 U	28 U
4,6-Dinitro-2-methylphenol	NA	NA	62 U	55 U	58 U	58.00 U	59 U	55 U
4-Bromophenyl phenyl ether	NA	NA	31 U	27 U	29 U	29.00 U	29 U	28 U
4-Chloro-3-methylphenol	NA	NA	31 U	27 U	29 U	29.00 U	29 U	28 U
4-Chloroaniline	NA	NA	31 U	27 U	29 U	29.00 U	29 U	28 U
4-Chlorophenyl phenyl ether	NA	NA	31 U	27 U	29 U	29.00 U	29 U	28 U
4-Nitroaniline	NA	NA	31 U	27 U	29 U	29.00 U	29 U	28 U
4-Nitrophenol	NA	NA	62 U	55 U	58 U	58.00 U	59 U	55 U
Acenaphthene	20000	100000	31 U	27 U	29 U	29.00 U	29 U	28 U
Acenaphthylene	100000	100000	31 U	27 U	29 U	29.00 U	29 U	28 U
Acetophenone	NA	NA	31 U	27 U	29 U	29.00 U	29 U	28 U
Aniline	NA	NA	31 U	27 U	29 U	29.00 U	29 U	28 U
Anthracene	100000	100000	31 U	27 U	29 U	29.00 U	29 U	28 U
Atrazine	NA	NA	31 U	27 U	29 U	29.00 U	29 U	28 U
Azobenzene	NA	NA	31 U	27 U	29 U	29.00 U	29 U	28 U
Benzaldehyde	NA	NA	62 U	55 U	58 U	58.00 U	59 U	55 U
Benzidine	NA	NA	62 U	55 U	58 U	58.00 U	59 U	55 U
Benzo(a)anthracene	1000	1000	31 U	27 U	29 U	29.00 U	29 U	28 U
Benzo(a)pyrene	1000	1000	31 U	27 U	29 U	29.00 U	29 U	28 U
Benzo(b)fluoranthene	1000	1000	31 U	27 U	29 U	29.00 U	29 U	28 U

Notes:

(1) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8a 12/06

NS - No standard

U - Not detected above detection limit

Bold/highlighted - indicated exceedance of the Unrestricted Use Soil Cleanup Objectives**Red/Bold** - indicated exceedance of the Restricted Residential Use Soil Cleanup Objectives

B - Compound detected in the laboratory blank

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NA - Not Analyzed

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

Compound	UUSCO*	Residential	SB-1 (9-11') 2/16/17	SB-2 (9-11') 2/16/17	SB-3 (12-14') 2/16/17	SB-4 (4-6') 2/16/17	SB-5 (9-11') 2/16/17	SB-6 (2-4') 2/16/17
Semi-volatile Organic Compounds by 8270 - ug/kg								
Benzo(g,h,i)perylene	100000	100000	31 U	27 U	29 U	29 U	29.00 U	28 U
Benzo(k)fluoranthene	800	1000	31 U	27 U	29 U	29 U	29.00 U	28 U
Benzoic acid	NA	NA	62 U	55 U	58 U	58 U	59.00 U	55 U
Benzyl alcohol	NA	NA	31 U	27 U	29 U	29 U	29.00 U	28 U
Biphenyl	NA	NA	31 U	27 U	29 U	29 U	29.00 U	28 U
Bis(2-chloroethoxy)methane	NA	NA	31 U	27 U	29 U	29 U	29.00 U	28 U
Bis(2-chloroethyl)ether	NA	NA	31 U	27 U	29 U	29 U	29.00 U	28 U
Bis(2-chloroisopropyl)ether	NA	NA	31 U	27 U	29 U	29 U	29.00 U	28 U
Bis(2-ethylhexyl)phthalate	NA	NA	31 U	38 J	29 U	29 U	29.00 U	28 U
Butyl benzyl phthalate	NA	NA	31 U	27 U	29 U	29 U	29.00 U	28 U
Caprolactam	NA	NA	31 U	27 U	29 U	29 U	29.00 U	28 U
Carbazole	NA	NA	31 U	27 U	29 U	29 U	29.00 U	28 U
Chrysene	1000	1000	31 U	27 U	29 U	29 U	29.00 U	28 U
Dibenzo(a,h)anthracene	330	330	31 U	27 U	29 U	29 U	29.00 U	28 U
Dibenzofuran	7000	14000	31 U	27 U	29 U	29 U	29.00 U	28 U
Diethyl phthalate	NA	NA	31 U	27 U	29 U	29 U	29.00 U	28 U
Dimethyl phthalate	NA	NA	31 U	27 U	29 U	29 U	29.00 U	28 U
Di-n-butyl phthalate	NA	NA	31 U	27 U	29 U	29 U	29.00 U	28 U
Di-n-octyl phthalate	NA	NA	62 U	55 U	58 U	58 U	59.00 U	55 U
Fluoranthene	100000	100000	31 U	51 J	29 U	29 U	29.00 U	42 J
Fluorene	30000	100000	31 U	27 U	29 U	29 U	29.00 U	28 U
Hexachlorobenzene	330	330	31 U	27 U	29 U	29 U	29.00 U	28 U
Hexachlorobutadiene	NA	NA	31 U	27 U	29 U	29 U	29.00 U	28 U
Hexachlorocyclopentadiene	NA	NA	62 U	55 U	58 U	58 U	59.00 U	55 U
Hexachloroethane	NA	NA	31 U	27 U	29 U	29 U	29.00 U	28 U
Indeno(1,2,3-c,d)pyrene	500	500	31 U	27 U	29 U	29 U	29.00 U	28 U
Isophorone	NA	NA	31 U	27 U	29 U	29 U	29.00 U	28 U
Naphthalene	12000	100000	31 U	27 U	29 U	29 U	29.00 U	28 U
Nitrobenzene	NA	NA	31 U	27 U	29 U	29 U	29.00 U	28 U
N-Nitrosodimethylamine	NA	NA	31 U	27 U	29 U	29 U	29.00 U	28 U
N-Nitrosodi-n-propylamine	NA	NA	31 U	27 U	29 U	29 U	29.00 U	28 U
N-Nitrosodiphenylamine	NA	NA	31 U	27 U	29 U	29 U	29.00 U	28 U
Parathion	NA	NA	62 U	55 U	58 U	58 U	59.00 U	55 U
Pentachlorophenol	800	2400	62 U	55 U	58 U	58 U	59.00 U	55 U
Phenanthrene	100000	100000	31 U	48 J	29 U	29 U	29.00 U	34 J
Phenol	330	100000	31 U	27 U	29 U	29 U	29.00 U	28 U
Pyrene	100000	100000	31 U	46 J	29 U	29 U	29.00 U	34 J
Pyridine	NA	NA	31 U	27 U	29 U	29 U	29.00 U	28 U

Table 3

Soil Analytical Results for Metals by EPA Method SW 840 6010C

17 Clay Street 56 Commercial Street
Brooklyn, NY 11222

Compound	UUSCO	Residential	SB-1 (9-11') 2/16/17	SB-2 (9-11') 2/16/17	SB-3 (12-14') 2/16/17	SB-4 (4-6') 2/16/17	SB-5 (9-11') 2/16/17	SB-6 (2-4') 2/16/17
Metals - mg/kg								
Aluminum	NA	NA	5320	10800 D	5880	5280	4590	4310
Antimony	NA	NA	0.234 U	0.217 U	0.212 U	0.219 U	0.208 U	0.213 U
Arsenic	13	16	0.48 J	2.89	5.82	3.2	5.54	3.56
Barium	350	350	56.1	51.5	51.4	20.1	25.3	21
Beryllium	7.2	14	0.117 U	0.108 U	0.106 U	0.11 U	0.104 U	0.106 U
Cadmium	2.5	2.5	0.117 U	0.108 U	0.106 U	0.11 U	0.104 U	0.106 U
Calcium	NA	NA	598	2940	1370	660	639	605
Chromium	NA	NA	15.9	17.2	16.5	8.92	11.7	7.98
Cobalt	NA	NA	0.117 U	0.108 U	0.106 U	0.11 U	0.104 U	0.106 U
Copper	50	270	15.2	23.1	17.3	18.9	13.6	11.6
Iron	NA	NA	19400 D	21200 D	24900 D	17900 D	6720	15500 D
Lead	63	400	3.88	8.12	7	6.95	4.39	27.8
Magnesium	NA	NA	3020	2750	3730	1860	1480	1630
Manganese	1,600	2000	422	325	339	199	107	321
Mercury	0.18	0.81	0.00723 U	0.00605 U	0.00756 U	0.00917 J	0.006 U	0.0796
Nickel	30	140	15.6	19.7	16.3	12.1	11.6	12
Potassium	NA	NA	2380	1990	2460	892	1220	908
Selenium	3.9	36	0.234 U	0.217 U	0.212 U	0.219 U	0.208 U	0.213 U
Silver	2	36	0.117 U	0.108 U	0.106 U	0.11 U	0.104 U	0.106 U
Sodium	NA	NA	83.3	142	80.3	26.9	33	29.9
Thallium	NA	NA	2.94	2.4	3.88	0.329 U	0.586	0.319 U
Vanadium	NA	NA	21.1	24.5	26	13.8	22	12.9
Zinc	109	2200	70.6	53.7	80.2	68.1	91.3	70.6

Notes:

(1) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8a 12/06

NS - No standard

U - Not detected above detection limit

Bold/highlighted - indicated exceedance of the Unrestricted Use Soil Cleanup Objectives**Red/Bold** - indicated exceedance of the Restricted Residential Use Soil Cleanup Objectives

B - Compound detected in the laboratory blank

J - Estimated concentration

NA - Not Analyzed

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

Table 4

Soil Analytical Results for Pesticides and PCB's by EPA Methods 8081/8082

17 Clay Street 56 Commercial Street
Brooklyn, NY 11222

Compound	UUSCO*	Residential	SB-1 (9-11') 2/16/17	SB-2 (9-11') 2/16/17	SB-3 (12-14') 2/16/17	SB-4 (4-6') 2/16/17	SB-5 (9-11') 2/16/17	SB-6 (2-4') 2/16/17
Pesticides and PCBs by 8081 and 8082 - ug/kg								
4,4'-DDD	3.3	2,600	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U
4,4'-DDE	3.3	1,800	1.2 U	1.1 U	1.2 U	1.2 U	1.1 PU	1.1 U
4,4'-DDT	3.3	1,700	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U
Aldrin	5	19	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U
alpha-BHC	20	97	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U
alpha-Chlordane	94	910	7.3 U	6.5 U	6.9 U	7 U	6.8 U	6.6 U
beta-BHC	36	72	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U
Chlorobenzilate	NA	NA	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U
DBCP	NA	NA	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U
delta-BHC	40	100,000	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U
Dieldrin	5	39	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U
Endosulfan I	2,400	4,800	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U
Endosulfan II	2,400	4,800	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U
Endosulfan sulfate	2,400	4,800	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U
Endrin	14	2200	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U
Endrin aldehyde	NA	NA	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U
Endrin ketone	NA	NA	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U
gamma-BHC (lindane)	100	280	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U
gamma-Chlordane	NA	NA	7.3 U	6.5 U	6.9 U	7 U	6.8 U	6.6 U
Heptachlor	42	420	2.4 U	2.2 U	2.3 U	2.3 U	2.3 U	2.2 U
Heptachlor epoxide	NA	NA	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U
Hexachlorobenzene	330	NA	1.2 U	4.3	1.2 U	1.6 JP	1.1 U	1.1 U
Hexachlorocyclopentadiene	NA	NA	3.6 U	3.2 U	3.5 U	3.5 U	3.4 U	3.3 U
Methoxychlor	NA	NA	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U
Toxaphene	NA	NA	15 U	13 U	14 U	14 U	14 U	14 U
Aroclor 1016	100	1,000	12 U	11 U	12 U	12 U	11 U	11 U
Aroclor 1221	100	1,000	12 U	11 U	12 U	12 U	11 U	11 U
Aroclor 1232	100	1,000	12 U	11 U	12 U	12 U	11 U	11 U
Aroclor 1242	100	1,000	12 U	11 U	12 U	12 U	11 U	11 U
Aroclor 1248	100	1,000	12 U	11 U	12 U	12 U	11 U	11 U
Aroclor 1254	100	1000	12 U	11 U	12 U	12 U	11 U	11 U
Aroclor 1260	100	1000	12 U	11 U	12 U	12 U	11 U	11 U
Aroclor 1262	100	1000	12 U	11 U	12 U	12 U	11 U	11 U
Aroclor 1268	100	1000	12 U	11 U	12 U	12 U	11 U	11 U

Notes:

(1) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8a 12/06

NS - No standard

U - Not detected above detection limit

Bold/highlighted - indicated exceedance of the Unrestricted Use Soil Cleanup Objectives**Red/Bold** - indicated exceedance of the Restricted Residential Use Soil Cleanup Objectives

B - Compound detected in the laboratory blank

J - Estimated concentration

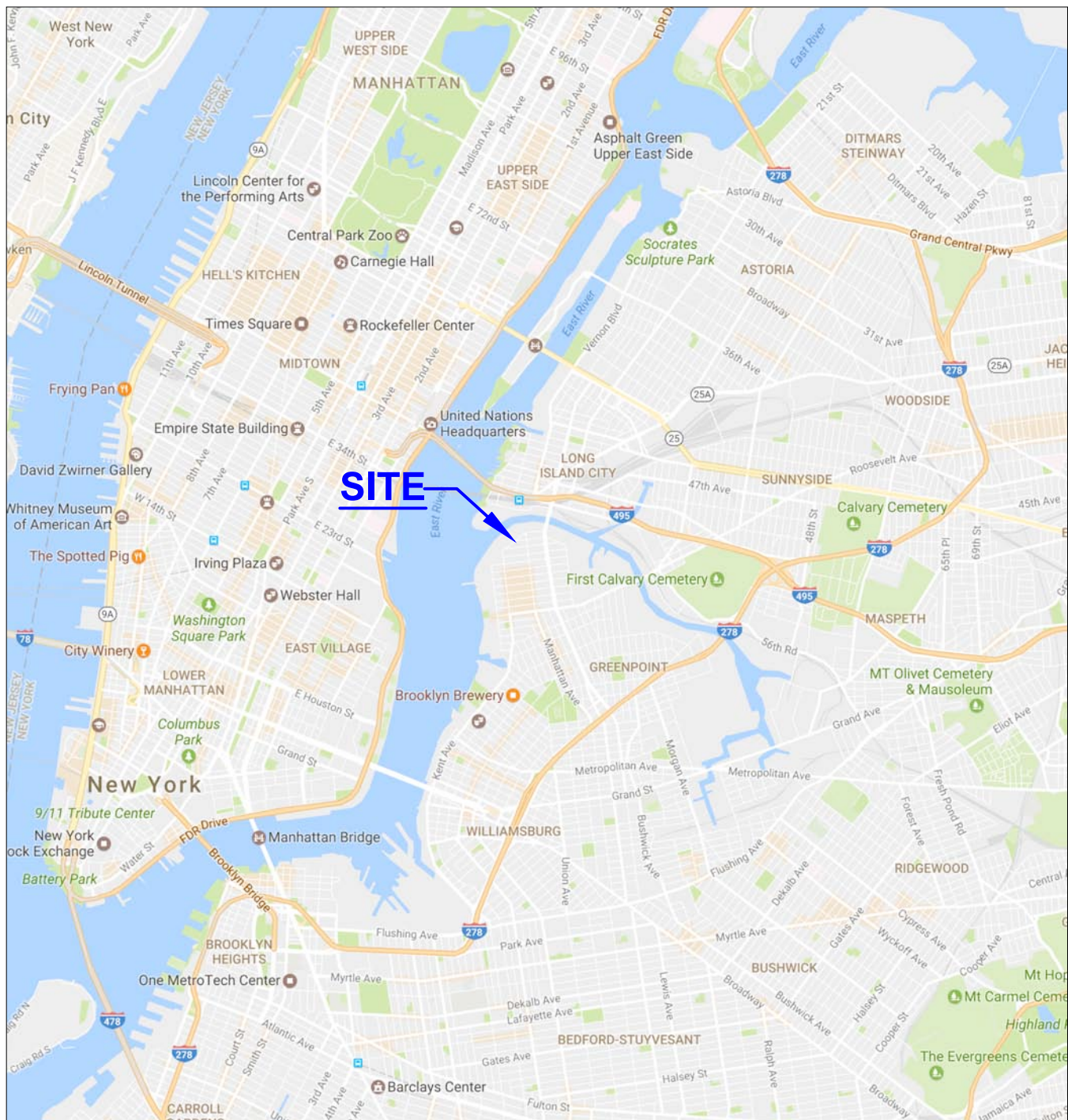
NA - Not Analyzed

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

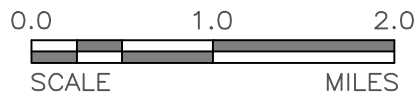
P - Secondary column exceeds 40% difference for GC test.



Figures

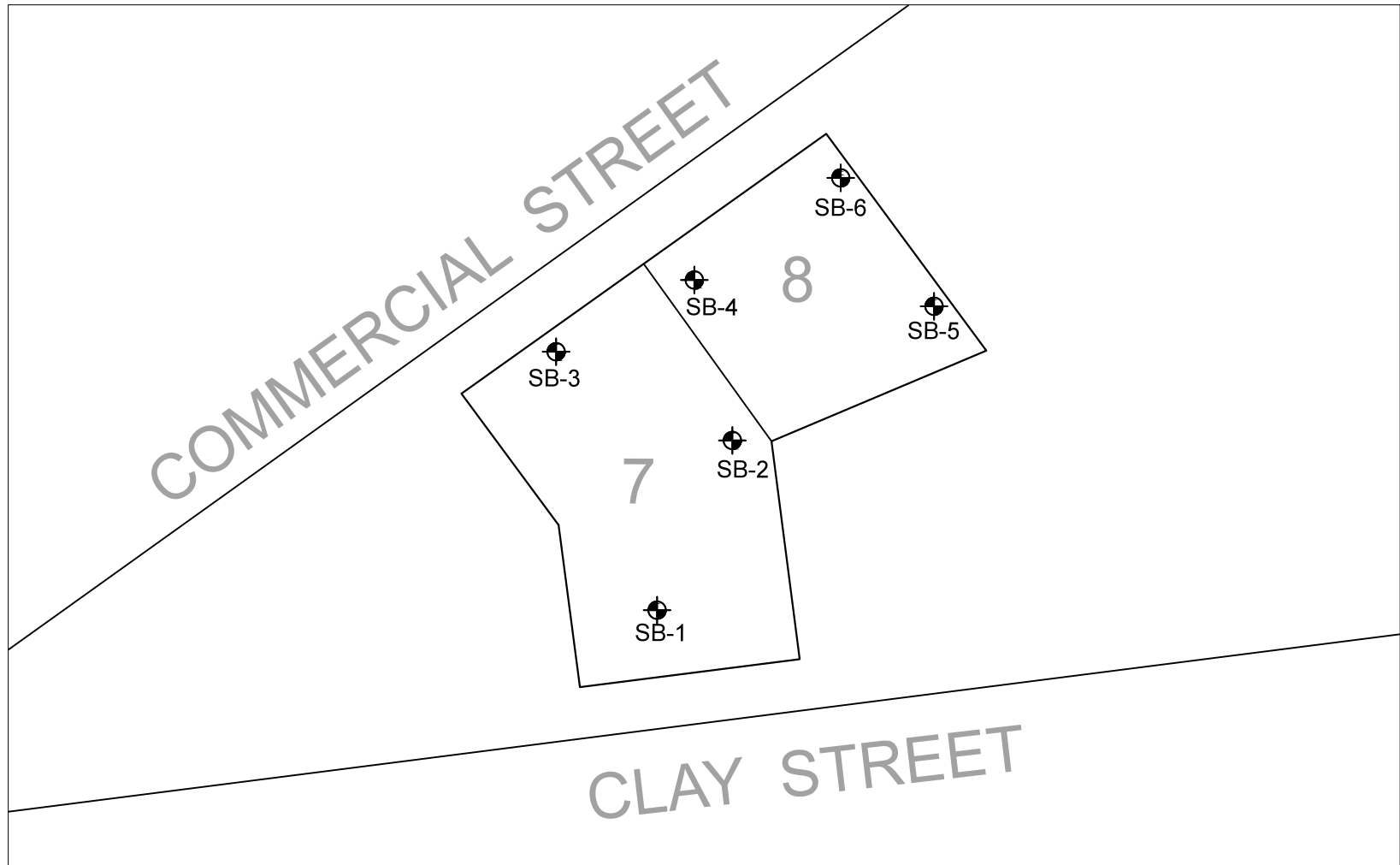


Vicinity Map

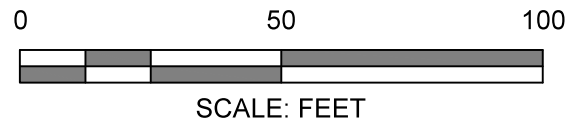


BASEMAP PROVIDED BY: GOOGLE EARTH

REVISION	DATE	INITIALS	COMMENTS
17 Clay Street & 56 Commercial Street Brooklyn, NY 11222			
		188 WEST MONTAUK HIGHWAY, SUITE E6 HAMPTON BAYS, NY 11946 PH: (631) 594-5300 E-MAIL: Zyoungman@ZEBenvironmental.com	
DATE: 01/30/17		JOB No.: KUG-1701	FIGURE No.: 1
APPROVED BY: ZY	DESIGNED BY: DD	DRAWN BY: DD	SCALE: AS SHOWN SHEET 1 OF 2



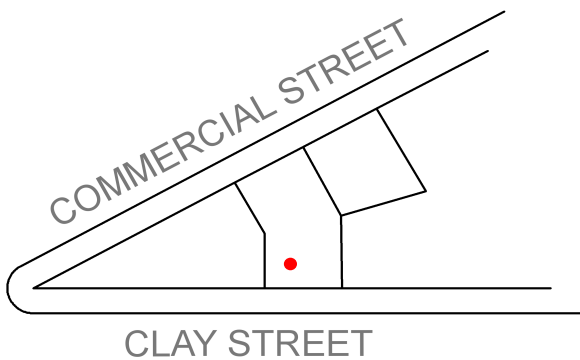
SOIL BORING LOCATIONS

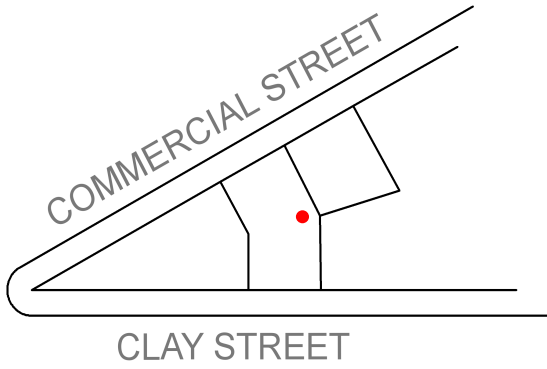


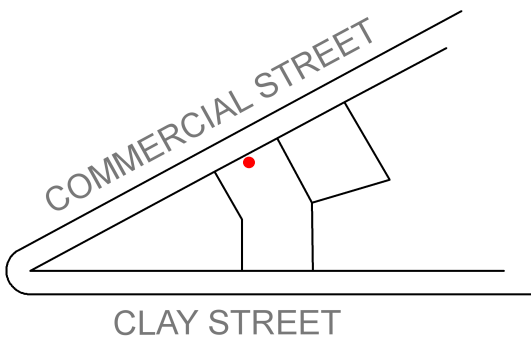
REVISION	DATE	INITIALS	COMMENTS
17 CLAY ST & 56 COMMERCIAL ST BROOKLYN, NY 11222			
		188 WEST MONTAUK HIGHWAY, SUITE E6 HAMPTON BAYS, NY 11946 PH: (631) 594-5300 E-MAIL: Zyoungman@ZEBenvironmental.com	
DATE: 02/28/17		JOB No.: KUG-1702	FIGURE No.: 2
APPROVED BY: ZY	DESIGNED BY: DD	DRAWN BY: DD	SCALE: AS SHOWN SHEET 1 OF 1



APPENDIX A SOIL BORING LOGS

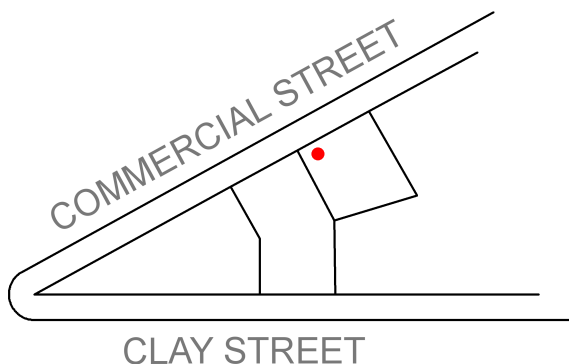
			Approximate borehole location. ↑		Boring # B-1		Page 1 of 6			
					PROJECT: 17 Clay Street, Brooklyn, New York					
					JOB #: KUG-1701					
					LOGGED BY: DD		PRJ. MNGR.: ZY			
					DRILLING CONTRACTOR: LVS, Inc					
					DRILL METHOD: Geoprobe					
					DRILLER: Manny					
					Borehole diameter/drill bit type:		Total Depth		16'	
					Macrocore (2" diameter)		Elevation		approx. 12.5'	
					HAMMER WT: N / A		DROP: N / A			
					START TIME: 08:37		DATE: 02/16/17			
COMPLETION TIME: 08:59		DATE: 02/16/17								
BACKFILL TIME: 12:15		DATE: 02/16/17								
Sample Depth	Advance (ft)	Recovered (ft)	Soil Description Unified Soil Classification System	Notes	Casing depth: N / A	Screen depth: N / A				
0-4'	4'	2.4'	0-1': concrete DEBRIS.	PID= 0.0 ppm						
			1-4': dry, silty SAND, dark brown, and concrete DEBRIS.	PID= 0.0 ppm						
4-8'	4'	2.3'	4-6': dry, silty SAND, medium-dark brown, common clay size grains	PID= 0.0 ppm						
			6-8': dry, medium grain SAND, gray grayish-brown, concrete DEBRIS	PID= 0.0 ppm						
8-12'	4'	2.5'	8-9': dry, medium-dark brown silty SAND	PID= 0.0 ppm						
			9-9.5': small gray with greenish hue PEBBLE streak	PID= 0.0 ppm						
			9.5-10': dry, medium-dark brown, sandy SILT.	PID= 0.0 ppm						
			10-12': wet, medium brown, SAND with common fines.	PID= 0.0 ppm						
12-16'	4'	2.1'	12-16': wet, medium brown, silty SAND.	PID= 0.0 ppm						
Collected soil sample @ 9-11', Water encountered @ ~10.0' bgs										

		Approximate borehole location.				Boring # B-2 PROJECT: 17 Clay Street, Brooklyn, New York JOB #: KUG-1701 LOGGED BY: DD PRJ. MNGR.: ZY DRILLING CONTRACTOR: LVS, Inc DRILL METHOD: Geoprobe DRILLER: Manny Borehole diameter/drill bit type: Total Depth 12' Macrocore (2" diameter) Elevation approx 12.5' HAMMER WT: N / A DROP: N / A START TIME: 09:04 DATE: 02/16/17 COMPLETION TIME: 09:19 DATE: 02/16/17 BACKFILL TIME: 12:15 DATE: 02/16/17	
Sample Depth	Advance (ft)	Recovered (ft)	Soil Description Unified Soil Classification System	Notes	Casing depth: NA	Screen depth: NA	
0-4'	4'	2.5'	0-1': concrete DEBRIS	PID= 0.0 ppm			
			1-3': dry, gray and brown CLAY with common SANDY particles	PID= 0.0 ppm			
			3-4': dry, gray fine grained PEBBLES in medium brown SAND, silty in part.	PID= 0.0 ppm			
4-8'	4'	2.8'	4-5': well rounded light brown-tan PEBBLES and concrete DEBRIS.	PID= 0.0 ppm			
			4-7': dry, medium brown, SAND with light brown CLAY streaks	PID= 0.0 ppm			
			7-7.5': dry, gray-green small siltston PEBBLES	PID= 0.0 ppm			
			7.5-8': dry, medium-dark brown SAND with clay and common fine grained PEBBLES	PID= 0.0 ppm			
8-12'	4'	3.0'	8-9': dry. Medium brown SAND, fine-,medium grain, no detectable odor or staining	PID= 2.8 ppm			
			9-11': wet, dark brown, silty SAND, no detectable odor or staining	PID= 1.7 ppm			
Collected soil sample @9-11', Water encountered @~10.5' bgs							

		Approximate borehole location. 		Boring # B-3		3 of 6	
PROJECT: 17 Clay Street, Brooklyn, New York							
JOB #: KUG-1701							
LOGGED BY: DD				PRJ. MNGR.: ZY			
DRILLING CONTRACTOR: LVS, Inc							
DRILL METHOD: Geoprobe							
DRILLER: Manny							
Borehole diameter/drill bit type:				Total Depth		14'	
Macrocore (2" diameter)				Elevation		approx 12.5'	
HAMMER WT: N / A				DROP: N / A			
START TIME: 09:24				DATE: 02/16/17			
COMPLETION TIME: 09:51				DATE: 02/16/17			
BACKFILL TIME: 12:15				DATE: 02/16/17			
Sample Depth	Advance (ft)	Recovered (ft)	Soil Description Unified Soil Classification System	Notes	Casing depth: 18.12' Screen depth: 10.12'		
0-4'	4'	0.5'	0-4': asphalt and crushed concrete DEBRIS	PID= 0.0 ppm			
4-8'	4'	3.5'	4-4.5': asphalt and concrete DEBRIS	PID= 0.0 ppm			
8-12'	4'	2.5'	4.5-6': dry, light brown SAND, medium grain, fine grained in part	PID= 0.0 ppm			
			6-8': dry, medium brown SAND, medium-large grain, common medium brown SILT	PID= 0.0 ppm			
8-14'	6'	3.2'	8-10': asphalt DEBRIS	PID= 0.0 ppm			
			10-12': moist, brown, SAND, medium grained	PID= 0.0 ppm			
			12-14': wet, reddish-brown, SAND, medium to fine grain	PID= 0.0 ppm			
Collected soil sample @12-14', water encountered @~10.5' bgs							



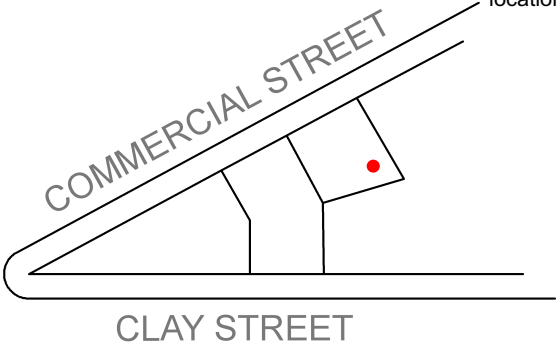
Approximate borehole location.



Boring #	B-4	Page	4	of	6
PROJECT: 17 Clay Street, Brooklyn, New York					
JOB #: KUG-1701					
LOGGED BY: DD		PRJ. MNGR.: ZY			
DRILLING CONTRACTOR: LVS, Inc					
DRILL METHOD: Geoprobe					
DRILLER: Manny					
Borehole diameter/drill bit type:		Total Depth		12'	
Macrocore (2" diameter)		Elevation		approx 12.5'	
HAMMER WT: N / A		DROP: N / A			
START TIME: 09:56		DATE: 02/16/17			
COMPLETION TIME: 10:10		DATE: 02/16/17			
BACKFILL TIME: 12:15		DATE: 02/16/17			

Sample Depth	Advance (ft)	Recovered (ft)	Soil Description Unified Soil Classification System	Notes	Casing depth: NA Screen depth: NA
0-8'	8'	3.3'	0-1': crushed concrete DEBRIS	PID= 0.0 ppm	
			1-4': dry, medium brown SAND with light brown CLAY streaks	PID= 0.0 ppm	
			4-6': dry, light to medium brown SAND, medium grain	PID= 0.0 ppm	
			6-8': dry, medium brown, dark brown in part, SAND, medium to fine grained	PID= 0.0 ppm	
8-14'	6'	3.8'	8-10': dry, medium brown, light brown in part, CLAY, common SAND grains	PID= 0.0 ppm	
			10-12.5': wet, sand, medium brown, SAND, gray-green silty grain PEBBLES common	PID= 0.0 ppm	
			12.5-14': wet, medium gray, CLAY, sandy grains common	PID= 0.0 ppm	

Collected soil sample @4-6' No well defined water level detected

Boring # **B-5**

Page 5 of 6

PROJECT: 17 Clay Street, Brooklyn, New York

JOB #: KUG-1701

LOGGED BY: DD PRJ. MNGR.: ZY

DRILLING CONTRACTOR: LVS, Inc

DRILL METHOD: Geoprobe

DRILLER: Manny

Borehole diameter/drill bit type:	Total Depth	12'
Macrocore (2" diameter)	Elevation	approx 12.5'

HAMMER WT: N / A DROP: N / A

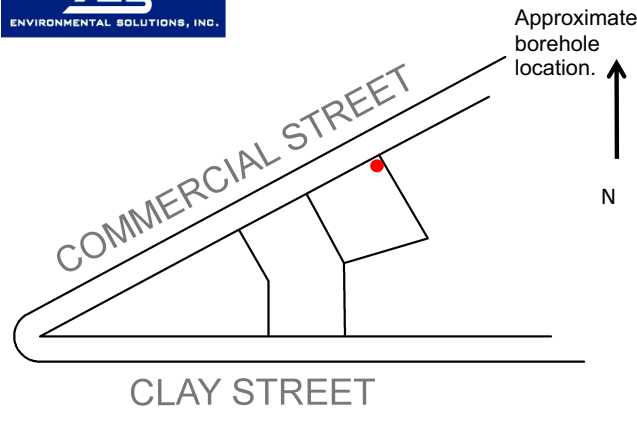
START TIME: 10:15 DATE: 02/16/17

COMPLETION TIME: 10:53 DATE: 02/16/17

BACKFILL TIME: 12:15 DATE: 02/16/17

Sample Depth	Advance (ft)	Recovered (ft)	Soil Description Unified Soil Classification System	Notes	Casing depth: NA Screen depth: NA
0-4'	4'	2.1'	0-2': asphalt and crushed brich DEBRIS	PID= 0.0 ppm	
			2-4': dry, medium brown, SAND, medium to fine grained	PID= 0.0 ppm	
4-8'	4'	1.8'	4-7': dry, medium-dark brown, light brown in part, SAND medium grain	PID= 0.0 ppm	
			7-8': dry, light to medium brown SAND, fine grained, common silty grains, and CLAY streaks	PID= 0.0 ppm	
8-14'	6'	3.2'	8-11': dry, medium to light brown, SAND, fine grained, common large grains	PID= 0.0 ppm	
			11-12': moist, medium brown sand, dark brown in part, fine grained	PID= 0.0 ppm	
			12-14': wet, light brown, CLAY, common medium brown SAND streaks	PID= 0.0 ppm	

Collected soil sample @9-11', Water encountered @~10.5' bgs



Boring # B-6	Page 6	of 6
PROJECT: 17 Clay Street, Brooklyn, New York		
JOB #: KUG-1701		
LOGGED BY: DD	PRJ. MNGR.: ZY	
DRILLING CONTRACTOR: LVS, Inc		
DRILL METHOD: Geoprobe		
DRILLER: Manny		
Borehole diameter/drill bit type:	Total Depth	8'
Macrocore (2" diameter)	Elevation	approx 12.5'
HAMMER WT: N / A	DROP: N / A	
START TIME: 10:58	DATE: 02/16/17	
COMPLETION TIME: 10:38	DATE: 02/16/17	
BACKFILL TIME: 12:15	DATE: 02/16/17	

Sample Depth	Advance (ft)	Recovered (ft)	Soil Description Unified Soil Classification System	Notes	Casing depth: NA Screen depth: NA
0-4'	4'	2.6	0-0.5'- asphalt DEBRIS	PID= 0.0 ppm	
			0.5-4'- dry, light brown-tan, medium grained SAND, trace gray PEBBLES	PID= 0.0 ppm	
4-8'	4'	3.1	4-6'- dry, light brown-tan, medium grained SAND, trace gray PEBBLES	PID= 0.0 ppm	
			6-8'- dry, light brown, fine-silty grained SAND	PID= 0.0 ppm	

Collected soil sample @2-4', Water encountered @~10.5'bgs



APPENDIX B

LABORATORY ANALYTICAL DATA



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

February 23, 2017

Zeb Youngman
ZEB Environmental
188 West Montauk Hwy., Ste. E6
Hampton Bays, NY 11946
TEL: (631) 594-5300
FAX

RE: 17 Clay Street, Brooklyn, NY

Order No.: 1702104

Dear Zeb Youngman:

American Analytical Laboratories, LLC. received 6 sample(s) on 2/16/2017 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,

Karen Kelly
QA/QC Manager
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#: 1702104
23-Feb-17

CLIENT: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
1702104-001A	SB 1 (9-11')		2/16/2017 8:53:00 AM	2/16/2017 2:01:00 PM	Soil
1702104-001B	SB 1 (9-11')		2/16/2017 8:53:00 AM	2/16/2017 2:01:00 PM	Soil
1702104-002A	SB 2 (9-11')		2/16/2017 9:20:00 AM	2/16/2017 2:01:00 PM	Soil
1702104-002B	SB 2 (9-11')		2/16/2017 9:20:00 AM	2/16/2017 2:01:00 PM	Soil
1702104-003A	SB 3 (12-14')		2/16/2017 9:36:00 AM	2/16/2017 2:01:00 PM	Soil
1702104-003B	SB 3 (12-14')		2/16/2017 9:36:00 AM	2/16/2017 2:01:00 PM	Soil
1702104-004A	SB 4 (4-6')		2/16/2017 10:30:00 AM	2/16/2017 2:01:00 PM	Soil
1702104-004B	SB 4 (4-6')		2/16/2017 10:30:00 AM	2/16/2017 2:01:00 PM	Soil
1702104-005A	SB 5 (9-11')		2/16/2017 11:00:00 AM	2/16/2017 2:01:00 PM	Soil
1702104-005B	SB 5 (9-11')		2/16/2017 11:00:00 AM	2/16/2017 2:01:00 PM	Soil
1702104-006A	SB 6 (2-4')		2/16/2017 11:20:00 AM	2/16/2017 2:01:00 PM	Soil
1702104-006B	SB 6 (2-4')		2/16/2017 11:20:00 AM	2/16/2017 2:01:00 PM	Soil

CHAIN OF CUSTODY

56 Toledo Street, Farmingdale NY 11735
(T) 631-454-6100 (F) 631-454-8027
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(continued)

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

CERTIFICATIONS

[illegible]



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

Sample Log-In Check List

Client Name: **ZEB ENV**

Work Order Number: **1702104**

RcptNo: **1**

Logged by: **Jenny Mullady** **2/16/2017 2:01:00 PM**

Jenny Mullady

Completed By: **Jenny Mullady** **2/16/2017**

Jenny Mullady

Reviewed By: **Lori Beyer** **2/17/2017 8:48:14 AM**

Lori Beyer

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 $>0^{\circ}\text{C}$ 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?
(Note discrepancies on chain of custody) Yes ☒ No ☐
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?
(If no, notify customer for authorization.) Yes ☒ No ☐

Special Handling (if applicable)

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

Person Notified:

Date

By Whom:

Via:

☐ eMail

☐ Phone

☐ Fax

☐ In Person

Regarding:

Client Instructions:

18. Additional remarks:

Volatiles collected in 2 oz jar.

Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
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Case Narrative

WO#: 1702104
Date: 2/23/2017

CLIENT: ZEB Environmental
Project: 17 Clay Street, Brooklyn, 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 and/or in the QC Summary Section of the lab report with appropriate qualifiers. Additional quality control information such as surrogate recovery values for organic testing is provided as part of the analytical results. Batch MS/MSD results are provided in the QC section of the lab report unless the MS/MSD summary forms indicate one of your sample identifications. MS/MSD results relate only to the parent sample that was spiked.

Soil sample results analyzed for Volatile Organics via preparation method SW846 Method 5035A by the Low Level procedures potentially may be estimated, "J" (biased low) since the samples for this test were not collected according to the 5035A Method. 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.

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

Pesticide/PCB analysis are analyzed on two distinct columns. Once a target compound is qualitatively confirmed by detection on both columns and quantitation is determined to be >40% between the two columns, AAL's policy is to report the lower of the values as suggested by SW846 Method 8000C in cases where no interference exists. If in the professional judgment of the laboratory, the higher value must be utilized this is explained in the lab report.

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, Isopropyl Acetate, n-Amyl Acetate, n-Butyl Acetate, n-Propyl Acetate. VOA 8260 Liquid; 1,2,4,5-Tetramethylbenzene, Chlorodifluoromethane, Freon-114, p-Diethylbenzene, p-Ethyltoluene, Isopropyl Acetate, n-Amyl acetate, n-Butyl Acetate, n-Propyl Acetate. Pesticides 8081 Soil; DBCP. Herbicides 8151 Soil; 3,5-Dichlorobenzoic Acid, 4-Nitrophenol, Acifluorfen, Bentazon,



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Case Narrative

WO#: 1702104
Date: 2/23/2017

CLIENT: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

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.



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Definition Only

WO#: 1702104
Date: 2/23/2017

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.

m - Analyte was manually integrated for GC/MS.

+ - Concentration exceeds regulatory level for TCLP

American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418

CLIENT: ZEB Environmental
Lab Order: 1702104
Project: 17 Clay Street, Brooklyn, NY
Lab ID: 1702104-001A

Client Sample ID: SB 1 (9-11')
Collection Date: 2/16/2017 8:53:00 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: KSS		
1,1,1,2-Tetrachloroethane	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
1,1,1-Trichloroethane	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
1,1,2,2-Tetrachloroethane	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
1,1,2-Trichloroethane	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
1,1-Dichloroethane	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
1,1-Dichloroethene	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
1,1-Dichloropropene	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
1,2,3-Trichlorobenzene	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
1,2,3-Trichloropropane	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
1,2,4,5-Tetramethylbenzene	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
1,2,4-Trichlorobenzene	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
1,2,4-Trimethylbenzene	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
1,2-Dibromo-3-chloropropane	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
1,2-Dibromoethane	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
1,2-Dichlorobenzene	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
1,2-Dichloroethane	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
1,2-Dichloropropane	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
1,3,5-Trimethylbenzene	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
1,3-Dichlorobenzene	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
1,3-dichloropropane	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
1,4-Dichlorobenzene	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
1,4-Dioxane	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
2,2-Dichloropropane	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
2-Butanone	ND	31	61	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
2-Chloroethyl vinyl ether	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
2-Chlorotoluene	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
2-Hexanone	ND	31	61	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
2-Propanol	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
4-Chlorotoluene	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
4-Isopropyltoluene	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
4-Methyl-2-pentanone	ND	31	61	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Acetone	24	6.1	31	BDJ	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM

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



American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418

CLIENT: ZEB Environmental
Lab Order: 1702104
Project: 17 Clay Street, Brooklyn, NY
Lab ID: 1702104-001A

Client Sample ID: SB 1 (9-11')
Collection Date: 2/16/2017 8:53:00 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: KSS		
Benzene	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Bromobenzene	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Bromochloromethane	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Bromodichloromethane	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Bromoform	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Bromomethane	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Carbon disulfide	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Carbon tetrachloride	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Chlorobenzene	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Chlorodifluoromethane	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Chloroethane	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Chloroform	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Chloromethane	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
cis-1,2-Dichloroethene	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
cis-1,3-Dichloropropene	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Cyclohexane	ND	12	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Dibromochloromethane	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Dibromomethane	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Dichlorodifluoromethane	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Diisopropyl ether	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Ethanol	ND	61	120	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Ethylbenzene	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Freon-114	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Hexachlorobutadiene	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Isopropylbenzene	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
m,p-Xylene	ND	12	61	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Methyl Acetate	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Methyl tert-butyl ether	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Methylene chloride	45	6.1	31	BD	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
n-Butylbenzene	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
n-Propylbenzene	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Naphthalene	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
o-Xylene	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418

CLIENT: ZEB Environmental
Lab Order: 1702104
Project: 17 Clay Street, Brooklyn, NY
Lab ID: 1702104-001A

Client Sample ID: SB 1 (9-11')
Collection Date: 2/16/2017 8:53:00 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: KSS		
p-Diethylbenzene	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
p-Ethyltoluene	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
sec-Butylbenzene	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Styrene	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
t-Butyl alcohol	ND	15	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
tert-Butylbenzene	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Tetrachloroethene	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Toluene	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
trans-1,2-Dichloroethene	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
trans-1,3-Dichloropropene	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Trichloroethene	29	6.1	31	DJ	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Trichlorofluoromethane	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Vinyl acetate	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Vinyl chloride	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Xylenes, Total	ND	18	61	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Acrolein	ND	77	150	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Acrylonitrile	ND	6.1	31	DU	µg/Kg-dry	4.9505	2/21/2017 7:19:00 PM
Surr: 4-Bromofluorobenzene	102	0	46-137	D	%Rec	4.9505	2/21/2017 7:19:00 PM
Surr: Dibromofluoromethane	101	0	45-140	D	%Rec	4.9505	2/21/2017 7:19:00 PM
Surr: Toluene-d8	98.7	0	46-140	D	%Rec	4.9505	2/21/2017 7:19:00 PM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418

CLIENT: ZEB Environmental
Lab Order: 1702104
Project: 17 Clay Street, Brooklyn, NY
Lab ID: 1702104-001B

Client Sample ID: SB 1 (9-11')
Collection Date: 2/16/2017 8:53:00 AM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY							
			SW7471B		SW7471B		Analyst: JP
Mercury	ND	0.00723	0.0136	U	mg/Kg-dry	1	2/17/2017 2:14:23 PM
PCB'S AS AROCLORS SW-846 METHOD 8082							
			SW8082A		SW3546		Analyst: SB
Aroclor 1016	ND	12	24	U	µg/Kg-dry	1	2/18/2017 4:29:00 AM
Aroclor 1221	ND	12	24	U	µg/Kg-dry	1	2/18/2017 4:29:00 AM
Aroclor 1232	ND	12	24	U	µg/Kg-dry	1	2/18/2017 4:29:00 AM
Aroclor 1242	ND	12	24	U	µg/Kg-dry	1	2/18/2017 4:29:00 AM
Aroclor 1248	ND	12	24	U	µg/Kg-dry	1	2/18/2017 4:29:00 AM
Aroclor 1254	ND	12	24	U	µg/Kg-dry	1	2/18/2017 4:29:00 AM
Aroclor 1260	ND	12	24	U	µg/Kg-dry	1	2/18/2017 4:29:00 AM
Aroclor 1262	ND	12	24	U	µg/Kg-dry	1	2/18/2017 4:29:00 AM
Aroclor 1268	ND	12	24	U	µg/Kg-dry	1	2/18/2017 4:29:00 AM
Surr: DCB	37.6	0	11-146		%Rec	1	2/18/2017 4:29:00 AM
Surr: DCB	34.2	0	11-146		%Rec	1	2/18/2017 4:29:00 AM
Surr: TCX	72.1	0	11-147		%Rec	1	2/18/2017 4:29:00 AM
Surr: TCX	79.1	0	11-147		%Rec	1	2/18/2017 4:29:00 AM
PESTICIDES SW-846 METHOD 8081							
			SW8081B		SW3546		Analyst: SB
4,4'-DDD	ND	1.2	3.0	U	µg/Kg-dry	1	2/17/2017 5:40:00 PM
4,4'-DDE	ND	1.2	3.0	U	µg/Kg-dry	1	2/17/2017 5:40:00 PM
4,4'-DDT	ND	1.2	3.0	U	µg/Kg-dry	1	2/17/2017 5:40:00 PM
Aldrin	ND	1.2	3.0	U	µg/Kg-dry	1	2/17/2017 5:40:00 PM
alpha-BHC	ND	1.2	3.0	U	µg/Kg-dry	1	2/17/2017 5:40:00 PM
alpha-Chlordane	ND	7.3	12	U	µg/Kg-dry	1	2/17/2017 5:40:00 PM
beta-BHC	ND	1.2	3.0	U	µg/Kg-dry	1	2/17/2017 5:40:00 PM
Chlorobenzilate	ND	1.2	3.0	U	µg/Kg-dry	1	2/17/2017 5:40:00 PM
DBCP	ND	1.2	3.0	U	µg/Kg-dry	1	2/17/2017 5:40:00 PM
delta-BHC	ND	1.2	3.0	U	µg/Kg-dry	1	2/17/2017 5:40:00 PM
Dieldrin	ND	1.2	3.0	U	µg/Kg-dry	1	2/17/2017 5:40:00 PM
Endosulfan I	ND	1.2	3.0	U	µg/Kg-dry	1	2/17/2017 5:40:00 PM
Endosulfan II	ND	1.2	3.0	U	µg/Kg-dry	1	2/17/2017 5:40:00 PM
Endosulfan sulfate	ND	1.2	3.0	U	µg/Kg-dry	1	2/17/2017 5:40:00 PM
Endrin	ND	1.2	3.0	U	µg/Kg-dry	1	2/17/2017 5:40:00 PM
Endrin aldehyde	ND	1.2	3.0	U	µg/Kg-dry	1	2/17/2017 5:40:00 PM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418

CLIENT: ZEB Environmental
Lab Order: 1702104
Project: 17 Clay Street, Brooklyn, NY
Lab ID: 1702104-001B

Client Sample ID: SB 1 (9-11')
Collection Date: 2/16/2017 8:53:00 AM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			SW8081B	SW3546	Analyst: SB		
Endrin ketone	ND	1.2	3.0	U	µg/Kg-dry	1	2/17/2017 5:40:00 PM
gamma-BHC	ND	1.2	3.0	U	µg/Kg-dry	1	2/17/2017 5:40:00 PM
gamma-Chlordane	ND	7.3	12	U	µg/Kg-dry	1	2/17/2017 5:40:00 PM
Heptachlor	ND	2.4	3.6	U	µg/Kg-dry	1	2/17/2017 5:40:00 PM
Heptachlor epoxide	ND	1.2	3.0	U	µg/Kg-dry	1	2/17/2017 5:40:00 PM
Hexachlorobenzene	ND	1.2	3.0	U	µg/Kg-dry	1	2/17/2017 5:40:00 PM
Hexachlorocyclopentadiene	ND	3.6	3.6	U	µg/Kg-dry	1	2/17/2017 5:40:00 PM
Methoxychlor	ND	1.2	3.0	U	µg/Kg-dry	1	2/17/2017 5:40:00 PM
Toxaphene	ND	15	30	U	µg/Kg-dry	1	2/17/2017 5:40:00 PM
Surr: DCB	82.9	0	12-154		%Rec	1	2/17/2017 5:40:00 PM
Surr: DCB	88.6	0	12-154		%Rec	1	2/17/2017 5:40:00 PM
Surr: TCX	85.6	0	12-153		%Rec	1	2/17/2017 5:40:00 PM
Surr: TCX	82.2	0	12-153		%Rec	1	2/17/2017 5:40:00 PM
PERCENT MOISTURE			D2216		Analyst: KK		
Percent Moisture	19.3	0	1.00		wt%	1	2/19/2017 9:33:47 AM
TOTAL METALS			SW6010C	SW3050B	Analyst: JP		
Aluminum	5320	0.117	0.467		mg/Kg-dry	1	2/17/2017 2:07:21 PM
Antimony	ND	0.234	0.584	U	mg/Kg-dry	1	2/17/2017 2:07:21 PM
Arsenic	0.480	0.234	0.584	J	mg/Kg-dry	1	2/17/2017 2:07:21 PM
Barium	56.1	0.234	0.467		mg/Kg-dry	1	2/17/2017 2:07:21 PM
Beryllium	ND	0.117	0.467	U	mg/Kg-dry	1	2/17/2017 2:07:21 PM
Cadmium	ND	0.117	0.467	U	mg/Kg-dry	1	2/17/2017 2:07:21 PM
Calcium	598	0.234	0.584		mg/Kg-dry	1	2/17/2017 2:07:21 PM
Chromium	15.9	0.117	0.467		mg/Kg-dry	1	2/17/2017 2:07:21 PM
Cobalt	ND	0.117	0.467	U	mg/Kg-dry	1	2/17/2017 2:07:21 PM
Copper	15.2	0.117	0.467		mg/Kg-dry	1	2/17/2017 2:07:21 PM
Iron	19400	2.34	4.67	D	mg/Kg-dry	10	2/17/2017 2:24:27 PM
Lead	3.88	0.234	0.467		mg/Kg-dry	1	2/17/2017 2:07:21 PM
Magnesium	3020	0.117	0.467		mg/Kg-dry	1	2/17/2017 2:07:21 PM
Manganese	422	0.117	0.467		mg/Kg-dry	1	2/17/2017 2:07:21 PM
Nickel	15.6	0.117	0.467		mg/Kg-dry	1	2/17/2017 2:07:21 PM
Potassium	2380	0.234	0.584		mg/Kg-dry	1	2/17/2017 2:07:21 PM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418

CLIENT: ZEB Environmental
Lab Order: 1702104
Project: 17 Clay Street, Brooklyn, NY
Lab ID: 1702104-001B

Client Sample ID: SB 1 (9-11')
Collection Date: 2/16/2017 8:53:00 AM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TOTAL METALS			SW6010C		SW3050B		Analyst: JP
Selenium	ND	0.234	0.584	U	mg/Kg-dry	1	2/17/2017 2:07:21 PM
Silver	ND	0.117	0.467	U	mg/Kg-dry	1	2/17/2017 2:07:21 PM
Sodium	83.3	0.234	0.584		mg/Kg-dry	1	2/17/2017 2:07:21 PM
Thallium	2.94	0.350	0.584		mg/Kg-dry	1	2/17/2017 2:07:21 PM
Vanadium	21.1	0.117	0.467		mg/Kg-dry	1	2/17/2017 2:07:21 PM
Zinc	70.6	0.117	0.467		mg/Kg-dry	1	2/17/2017 2:07:21 PM
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Biphenyl	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
1,2,4-Trichlorobenzene	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
1,2-Dichlorobenzene	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
1,3-Dichlorobenzene	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
1,4-Dichlorobenzene	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
2,4,5-Trichlorophenol	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
2,4,6-Trichlorophenol	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
2,4-Dichlorophenol	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
2,4-Dimethylphenol	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
2,4-Dinitrophenol	ND	62	620	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
2,4-Dinitrotoluene	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
2,6-Dinitrotoluene	ND	62	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
2-Chloronaphthalene	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
2-Chlorophenol	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
2-Methylnaphthalene	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
2-Methylphenol	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
2-Nitroaniline	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
2-Nitrophenol	ND	62	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
3+4-Methylphenol	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
3,3'-Dichlorobenzidine	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
3-Nitroaniline	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
4,6-Dinitro-2-methylphenol	ND	62	620	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
4-Bromophenyl phenyl ether	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
4-Chloro-3-methylphenol	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
4-Chloroaniline	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418

CLIENT: ZEB Environmental
Lab Order: 1702104
Project: 17 Clay Street, Brooklyn, NY
Lab ID: 1702104-001B

Client Sample ID: SB 1 (9-11')
Collection Date: 2/16/2017 8:53:00 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		
4-Chlorophenyl phenyl ether	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
4-Nitroaniline	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
4-Nitrophenol	ND	62	620	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Acenaphthene	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Acenaphthylene	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Acetophenone	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Aniline	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Anthracene	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Atrazine	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Azobenzene	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Benzaldehyde	ND	62	620	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Benzidine	ND	62	620	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Benzo(a)anthracene	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Benzo(a)pyrene	ND	31	190	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Benzo(b)fluoranthene	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Benzo(g,h,i)perylene	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Benzo(k)fluoranthene	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Benzoic acid	ND	62	620	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Benzyl alcohol	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Bis(2-chloroethoxy)methane	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Bis(2-chloroethyl)ether	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Bis(2-chloroisopropyl)ether	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Bis(2-ethylhexyl)phthalate	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Butyl benzyl phthalate	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Caprolactam	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Carbazole	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Chrysene	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Di-n-butyl phthalate	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Di-n-octyl phthalate	ND	62	620	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Dibenzo(a,h)anthracene	ND	31	190	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Dibenzofuran	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Diethyl phthalate	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Dimethyl phthalate	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418

CLIENT: ZEB Environmental
Lab Order: 1702104
Project: 17 Clay Street, Brooklyn, NY
Lab ID: 1702104-001B

Client Sample ID: SB 1 (9-11')
Collection Date: 2/16/2017 8:53:00 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		
Fluoranthene	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Fluorene	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Hexachlorobenzene	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Hexachlorobutadiene	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Hexachlorocyclopentadiene	ND	62	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Hexachloroethane	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Indeno(1,2,3-c,d)pyrene	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Isophorone	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
N-Nitrosodi-n-propylamine	ND	31	190	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
N-Nitrosodimethylamine	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
N-Nitrosodiphenylamine	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Naphthalene	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Nitrobenzene	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Parathion	ND	62	620	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Pentachlorophenol	ND	62	620	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Phenanthrene	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Phenol	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Pyrene	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Pyridine	ND	31	310	U	µg/Kg-dry	1	2/17/2017 6:17:00 PM
Surr: 2,4,6-Tribromophenol	86.6	0	11-144		%Rec	1	2/17/2017 6:17:00 PM
Surr: 2-Fluorobiphenyl	78.5	0	17-137		%Rec	1	2/17/2017 6:17:00 PM
Surr: 2-Fluorophenol	82.3	0	13-131		%Rec	1	2/17/2017 6:17:00 PM
Surr: 4-Terphenyl-d14	83.0	0	20-143		%Rec	1	2/17/2017 6:17:00 PM
Surr: Nitrobenzene-d5	82.4	0	13-139		%Rec	1	2/17/2017 6:17:00 PM
Surr: Phenol-d6	78.6	0	12-135		%Rec	1	2/17/2017 6:17:00 PM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418

CLIENT: ZEB Environmental
Lab Order: 1702104
Project: 17 Clay Street, Brooklyn, NY
Lab ID: 1702104-002A

Client Sample ID: SB 2 (9-11')
Collection Date: 2/16/2017 9:20:00 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: KSS		
1,1,1,2-Tetrachloroethane	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
1,1,1-Trichloroethane	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
1,1,2,2-Tetrachloroethane	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
1,1,2-Trichloroethane	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
1,1-Dichloroethane	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
1,1-Dichloroethene	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
1,1-Dichloropropene	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
1,2,3-Trichlorobenzene	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
1,2,3-Trichloropropane	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
1,2,4,5-Tetramethylbenzene	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
1,2,4-Trichlorobenzene	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
1,2,4-Trimethylbenzene	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
1,2-Dibromo-3-chloropropane	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
1,2-Dibromoethane	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
1,2-Dichlorobenzene	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
1,2-Dichloroethane	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
1,2-Dichloropropane	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
1,3,5-Trimethylbenzene	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
1,3-Dichlorobenzene	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
1,3-dichloropropane	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
1,4-Dichlorobenzene	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
1,4-Dioxane	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
2,2-Dichloropropane	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
2-Butanone	ND	5.4	11	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
2-Chloroethyl vinyl ether	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
2-Chlorotoluene	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
2-Hexanone	ND	5.4	11	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
2-Propanol	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
4-Chlorotoluene	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
4-Isopropyltoluene	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
4-Methyl-2-pentanone	ND	5.4	11	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Acetone	6.2	1.1	5.4	B	µg/Kg-dry	1	2/18/2017 3:46:00 AM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418

CLIENT: ZEB Environmental
Lab Order: 1702104
Project: 17 Clay Street, Brooklyn, NY
Lab ID: 1702104-002A

Client Sample ID: SB 2 (9-11')
Collection Date: 2/16/2017 9:20:00 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: KSS		
Benzene	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Bromobenzene	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Bromochloromethane	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Bromodichloromethane	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Bromoform	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Bromomethane	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Carbon disulfide	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Carbon tetrachloride	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Chlorobenzene	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Chlorodifluoromethane	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Chloroethane	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Chloroform	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Chloromethane	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
cis-1,2-Dichloroethene	1.2	1.1	5.4	J	µg/Kg-dry	1	2/18/2017 3:46:00 AM
cis-1,3-Dichloropropene	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Cyclohexane	ND	2.2	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Dibromochloromethane	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Dibromomethane	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Dichlorodifluoromethane	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Diisopropyl ether	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Ethanol	ND	11	22	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Ethylbenzene	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Freon-114	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Hexachlorobutadiene	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Isopropylbenzene	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
m,p-Xylene	ND	2.2	11	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Methyl Acetate	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Methyl tert-butyl ether	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Methylene chloride	6.2	1.1	5.4	B	µg/Kg-dry	1	2/18/2017 3:46:00 AM
n-Butylbenzene	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
n-Propylbenzene	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Naphthalene	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
o-Xylene	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418**CLIENT:** ZEB Environmental**Client Sample ID:** SB 2 (9-11')**Lab Order:** 1702104**Collection Date:** 2/16/2017 9:20:00 AM**Project:** 17 Clay Street, Brooklyn, NY**Matrix:** SOIL**Lab ID:** 1702104-002A**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C	SW5035A	Analyst: KSS		
p-Diethylbenzene	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
p-Ethyltoluene	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
sec-Butylbenzene	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Styrene	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
t-Butyl alcohol	ND	2.7	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
tert-Butylbenzene	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Tetrachloroethene	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Toluene	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
trans-1,2-Dichloroethene	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
trans-1,3-Dichloropropene	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Trichloroethene	53	1.1	5.4		µg/Kg-dry	1	2/18/2017 3:46:00 AM
Trichlorofluoromethane	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Vinyl acetate	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Vinyl chloride	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Xylenes, Total	ND	3.2	11	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Acrolein	ND	13	27	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Acrylonitrile	ND	1.1	5.4	U	µg/Kg-dry	1	2/18/2017 3:46:00 AM
Surr: 4-Bromofluorobenzene	103	0	46-137		%Rec	1	2/18/2017 3:46:00 AM
Surr: Dibromofluoromethane	109	0	45-140		%Rec	1	2/18/2017 3:46:00 AM
Surr: Toluene-d8	101	0	46-140		%Rec	1	2/18/2017 3:46:00 AM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418

CLIENT: ZEB Environmental
Lab Order: 1702104
Project: 17 Clay Street, Brooklyn, NY
Lab ID: 1702104-002B

Client Sample ID: SB 2 (9-11')
Collection Date: 2/16/2017 9:20:00 AM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY							
			SW7471B		SW7471B		Analyst: JP
Mercury	ND	0.00605	0.0114	U	mg/Kg-dry	1	2/17/2017 2:16:33 PM
PCB'S AS AROCLORS SW-846 METHOD 8082							
			SW8082A		SW3546		Analyst: SB
Aroclor 1016	ND	11	22	U	µg/Kg-dry	1	2/18/2017 4:54:00 AM
Aroclor 1221	ND	11	22	U	µg/Kg-dry	1	2/18/2017 4:54:00 AM
Aroclor 1232	ND	11	22	U	µg/Kg-dry	1	2/18/2017 4:54:00 AM
Aroclor 1242	ND	11	22	U	µg/Kg-dry	1	2/18/2017 4:54:00 AM
Aroclor 1248	ND	11	22	U	µg/Kg-dry	1	2/18/2017 4:54:00 AM
Aroclor 1254	ND	11	22	U	µg/Kg-dry	1	2/18/2017 4:54:00 AM
Aroclor 1260	ND	11	22	U	µg/Kg-dry	1	2/18/2017 4:54:00 AM
Aroclor 1262	ND	11	22	U	µg/Kg-dry	1	2/18/2017 4:54:00 AM
Aroclor 1268	ND	11	22	U	µg/Kg-dry	1	2/18/2017 4:54:00 AM
Surr: DCB	35.2	0	11-146		%Rec	1	2/18/2017 4:54:00 AM
Surr: DCB	40.4	0	11-146		%Rec	1	2/18/2017 4:54:00 AM
Surr: TCX	78.0	0	11-147		%Rec	1	2/18/2017 4:54:00 AM
Surr: TCX	72.4	0	11-147		%Rec	1	2/18/2017 4:54:00 AM
PESTICIDES SW-846 METHOD 8081							
			SW8081B		SW3546		Analyst: SB
4,4'-DDD	ND	1.1	2.7	U	µg/Kg-dry	1	2/17/2017 5:54:00 PM
4,4'-DDE	ND	1.1	2.7	U	µg/Kg-dry	1	2/17/2017 5:54:00 PM
4,4'-DDT	ND	1.1	2.7	U	µg/Kg-dry	1	2/17/2017 5:54:00 PM
Aldrin	ND	1.1	2.7	U	µg/Kg-dry	1	2/17/2017 5:54:00 PM
alpha-BHC	ND	1.1	2.7	U	µg/Kg-dry	1	2/17/2017 5:54:00 PM
alpha-Chlordane	ND	6.5	11	U	µg/Kg-dry	1	2/17/2017 5:54:00 PM
beta-BHC	ND	1.1	2.7	U	µg/Kg-dry	1	2/17/2017 5:54:00 PM
Chlorobenzilate	ND	1.1	2.7	U	µg/Kg-dry	1	2/17/2017 5:54:00 PM
DBCP	ND	1.1	2.7	U	µg/Kg-dry	1	2/17/2017 5:54:00 PM
delta-BHC	ND	1.1	2.7	U	µg/Kg-dry	1	2/17/2017 5:54:00 PM
Dieldrin	ND	1.1	2.7	U	µg/Kg-dry	1	2/17/2017 5:54:00 PM
Endosulfan I	ND	1.1	2.7	U	µg/Kg-dry	1	2/17/2017 5:54:00 PM
Endosulfan II	ND	1.1	2.7	U	µg/Kg-dry	1	2/17/2017 5:54:00 PM
Endosulfan sulfate	ND	1.1	2.7	U	µg/Kg-dry	1	2/17/2017 5:54:00 PM
Endrin	ND	1.1	2.7	U	µg/Kg-dry	1	2/17/2017 5:54:00 PM
Endrin aldehyde	ND	1.1	2.7	U	µg/Kg-dry	1	2/17/2017 5:54:00 PM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418

CLIENT: ZEB Environmental
Lab Order: 1702104
Project: 17 Clay Street, Brooklyn, NY
Lab ID: 1702104-002B

Client Sample ID: SB 2 (9-11')
Collection Date: 2/16/2017 9:20:00 AM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			SW8081B		SW3546		Analyst: SB
Endrin ketone	ND	1.1	2.7	U	µg/Kg-dry	1	2/17/2017 5:54:00 PM
gamma-BHC	ND	1.1	2.7	U	µg/Kg-dry	1	2/17/2017 5:54:00 PM
gamma-Chlordane	ND	6.5	11	U	µg/Kg-dry	1	2/17/2017 5:54:00 PM
Heptachlor	ND	2.2	3.2	U	µg/Kg-dry	1	2/17/2017 5:54:00 PM
Heptachlor epoxide	ND	1.1	2.7	U	µg/Kg-dry	1	2/17/2017 5:54:00 PM
Hexachlorobenzene	4.3	1.1	2.7		µg/Kg-dry	1	2/17/2017 5:54:00 PM
Hexachlorocyclopentadiene	ND	3.2	3.2	U	µg/Kg-dry	1	2/17/2017 5:54:00 PM
Methoxychlor	ND	1.1	2.7	U	µg/Kg-dry	1	2/17/2017 5:54:00 PM
Toxaphene	ND	13	27	U	µg/Kg-dry	1	2/17/2017 5:54:00 PM
Surr: DCB	87.8	0	12-154		%Rec	1	2/17/2017 5:54:00 PM
Surr: DCB	107	0	12-154		%Rec	1	2/17/2017 5:54:00 PM
Surr: TCX	74.7	0	12-153		%Rec	1	2/17/2017 5:54:00 PM
Surr: TCX	84.9	0	12-153		%Rec	1	2/17/2017 5:54:00 PM
PERCENT MOISTURE			D2216				Analyst: KK
Percent Moisture	8.87	0	1.00		wt%	1	2/19/2017 9:33:47 AM
TOTAL METALS			SW6010C		SW3050B		Analyst: JP
Aluminum	10800	1.08	4.34	D	mg/Kg-dry	10	2/17/2017 2:26:31 PM
Antimony	ND	0.217	0.542	U	mg/Kg-dry	1	2/17/2017 2:09:43 PM
Arsenic	2.89	0.217	0.542		mg/Kg-dry	1	2/17/2017 2:09:43 PM
Barium	51.5	0.217	0.434		mg/Kg-dry	1	2/17/2017 2:09:43 PM
Beryllium	ND	0.108	0.434	U	mg/Kg-dry	1	2/17/2017 2:09:43 PM
Cadmium	ND	0.108	0.434	U	mg/Kg-dry	1	2/17/2017 2:09:43 PM
Calcium	2940	0.217	0.542		mg/Kg-dry	1	2/17/2017 2:09:43 PM
Chromium	17.2	0.108	0.434		mg/Kg-dry	1	2/17/2017 2:09:43 PM
Cobalt	ND	0.108	0.434	U	mg/Kg-dry	1	2/17/2017 2:09:43 PM
Copper	23.1	0.108	0.434		mg/Kg-dry	1	2/17/2017 2:09:43 PM
Iron	21200	2.17	4.34	D	mg/Kg-dry	10	2/17/2017 2:26:31 PM
Lead	8.12	0.217	0.434		mg/Kg-dry	1	2/17/2017 2:09:43 PM
Magnesium	2750	0.108	0.434		mg/Kg-dry	1	2/17/2017 2:09:43 PM
Manganese	325	0.108	0.434		mg/Kg-dry	1	2/17/2017 2:09:43 PM
Nickel	19.7	0.108	0.434		mg/Kg-dry	1	2/17/2017 2:09:43 PM
Potassium	1990	0.217	0.542		mg/Kg-dry	1	2/17/2017 2:09:43 PM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418

CLIENT: ZEB Environmental
Lab Order: 1702104
Project: 17 Clay Street, Brooklyn, NY
Lab ID: 1702104-002B

Client Sample ID: SB 2 (9-11')
Collection Date: 2/16/2017 9:20:00 AM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TOTAL METALS			SW6010C		SW3050B		Analyst: JP
Selenium	ND	0.217	0.542	U	mg/Kg-dry	1	2/17/2017 2:09:43 PM
Silver	ND	0.108	0.434	U	mg/Kg-dry	1	2/17/2017 2:09:43 PM
Sodium	142	0.217	0.542		mg/Kg-dry	1	2/17/2017 2:09:43 PM
Thallium	2.40	0.325	0.542		mg/Kg-dry	1	2/17/2017 2:09:43 PM
Vanadium	24.5	0.108	0.434		mg/Kg-dry	1	2/17/2017 2:09:43 PM
Zinc	53.7	0.108	0.434		mg/Kg-dry	1	2/17/2017 2:09:43 PM
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Biphenyl	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
1,2,4-Trichlorobenzene	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
1,2-Dichlorobenzene	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
1,3-Dichlorobenzene	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
1,4-Dichlorobenzene	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
2,4,5-Trichlorophenol	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
2,4,6-Trichlorophenol	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
2,4-Dichlorophenol	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
2,4-Dimethylphenol	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
2,4-Dinitrophenol	ND	55	550	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
2,4-Dinitrotoluene	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
2,6-Dinitrotoluene	ND	55	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
2-Chloronaphthalene	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
2-Chlorophenol	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
2-Methylnaphthalene	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
2-Methylphenol	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
2-Nitroaniline	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
2-Nitrophenol	ND	55	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
3+4-Methylphenol	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
3,3'-Dichlorobenzidine	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
3-Nitroaniline	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
4,6-Dinitro-2-methylphenol	ND	55	550	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
4-Bromophenyl phenyl ether	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
4-Chloro-3-methylphenol	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
4-Chloroaniline	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418

CLIENT: ZEB Environmental
Lab Order: 1702104
Project: 17 Clay Street, Brooklyn, NY
Lab ID: 1702104-002B

Client Sample ID: SB 2 (9-11')
Collection Date: 2/16/2017 9:20:00 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
4-Chlorophenyl phenyl ether	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
4-Nitroaniline	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
4-Nitrophenol	ND	55	550	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Acenaphthene	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Acenaphthylene	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Acetophenone	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Aniline	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Anthracene	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Atrazine	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Azobenzene	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Benzaldehyde	ND	55	550	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Benzidine	ND	55	550	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Benzo(a)anthracene	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Benzo(a)pyrene	ND	27	160	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Benzo(b)fluoranthene	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Benzo(g,h,i)perylene	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Benzo(k)fluoranthene	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Benzoic acid	ND	55	550	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Benzyl alcohol	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Bis(2-chloroethoxy)methane	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Bis(2-chloroethyl)ether	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Bis(2-chloroisopropyl)ether	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Bis(2-ethylhexyl)phthalate	38	27	270	J	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Butyl benzyl phthalate	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Caprolactam	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Carbazole	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Chrysene	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Di-n-butyl phthalate	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Di-n-octyl phthalate	ND	55	550	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Dibenzo(a,h)anthracene	ND	27	160	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Dibenzofuran	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Diethyl phthalate	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Dimethyl phthalate	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418

CLIENT: ZEB Environmental
Lab Order: 1702104
Project: 17 Clay Street, Brooklyn, NY
Lab ID: 1702104-002B

Client Sample ID: SB 2 (9-11')
Collection Date: 2/16/2017 9:20:00 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
Fluoranthene	51	27	270	J	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Fluorene	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Hexachlorobenzene	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Hexachlorobutadiene	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Hexachlorocyclopentadiene	ND	55	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Hexachloroethane	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Indeno(1,2,3-c,d)pyrene	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Isophorone	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
N-Nitrosodi-n-propylamine	ND	27	160	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
N-Nitrosodimethylamine	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
N-Nitrosodiphenylamine	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Naphthalene	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Nitrobenzene	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Parathion	ND	55	550	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Pentachlorophenol	ND	55	550	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Phenanthrene	48	27	270	J	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Phenol	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Pyrene	46	27	270	J	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Pyridine	ND	27	270	U	µg/Kg-dry	1	2/17/2017 6:43:00 PM
Surr: 2,4,6-Tribromophenol	66.5	0	11-144		%Rec	1	2/17/2017 6:43:00 PM
Surr: 2-Fluorobiphenyl	68.0	0	17-137		%Rec	1	2/17/2017 6:43:00 PM
Surr: 2-Fluorophenol	69.1	0	13-131		%Rec	1	2/17/2017 6:43:00 PM
Surr: 4-Terphenyl-d14	68.2	0	20-143		%Rec	1	2/17/2017 6:43:00 PM
Surr: Nitrobenzene-d5	52.9	0	13-139		%Rec	1	2/17/2017 6:43:00 PM
Surr: Phenol-d6	64.4	0	12-135		%Rec	1	2/17/2017 6:43:00 PM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418**CLIENT:** ZEB Environmental**Client Sample ID:** SB 3 (12-14')**Lab Order:** 1702104**Collection Date:** 2/16/2017 9:36:00 AM**Project:** 17 Clay Street, Brooklyn, NY**Matrix:** SOIL**Lab ID:** 1702104-003A**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C	SW5035A	Analyst: KSS		
1,1,1,2-Tetrachloroethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
1,1,1-Trichloroethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
1,1,2,2-Tetrachloroethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
1,1,2-Trichloroethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
1,1-Dichloroethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
1,1-Dichloroethene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
1,1-Dichloropropene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
1,2,3-Trichlorobenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
1,2,3-Trichloropropane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
1,2,4,5-Tetramethylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
1,2,4-Trichlorobenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
1,2,4-Trimethylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
1,2-Dibromo-3-chloropropane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
1,2-Dibromoethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
1,2-Dichlorobenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
1,2-Dichloroethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
1,2-Dichloropropane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
1,3,5-Trimethylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
1,3-Dichlorobenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
1,3-dichloropropane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
1,4-Dichlorobenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
1,4-Dioxane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
2,2-Dichloropropane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
2-Butanone	ND	5.8	12	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
2-Chloroethyl vinyl ether	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
2-Chlorotoluene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
2-Hexanone	ND	5.8	12	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
2-Propanol	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
4-Chlorotoluene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
4-Isopropyltoluene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
4-Methyl-2-pentanone	ND	5.8	12	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Acetone	9.0	1.2	5.8	B	µg/Kg-dry	1	2/18/2017 4:18:00 AM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418**CLIENT:** ZEB Environmental**Client Sample ID:** SB 3 (12-14')**Lab Order:** 1702104**Collection Date:** 2/16/2017 9:36:00 AM**Project:** 17 Clay Street, Brooklyn, NY**Matrix:** SOIL**Lab ID:** 1702104-003A**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C	SW5035A	Analyst: KSS		
Benzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Bromobenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Bromochloromethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Bromodichloromethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Bromoform	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Bromomethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Carbon disulfide	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Carbon tetrachloride	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Chlorobenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Chlorodifluoromethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Chloroethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Chloroform	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Chloromethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
cis-1,2-Dichloroethene	1.7	1.2	5.8	J	µg/Kg-dry	1	2/18/2017 4:18:00 AM
cis-1,3-Dichloropropene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Cyclohexane	ND	2.3	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Dibromochloromethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Dibromomethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Dichlorodifluoromethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Diisopropyl ether	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Ethanol	ND	12	23	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Ethylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Freon-114	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Hexachlorobutadiene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Isopropylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
m,p-Xylene	ND	2.3	12	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Methyl Acetate	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Methyl tert-butyl ether	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Methylene chloride	7.6	1.2	5.8	B	µg/Kg-dry	1	2/18/2017 4:18:00 AM
n-Butylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
n-Propylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Naphthalene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
o-Xylene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418**CLIENT:** ZEB Environmental**Client Sample ID:** SB 3 (12-14')**Lab Order:** 1702104**Collection Date:** 2/16/2017 9:36:00 AM**Project:** 17 Clay Street, Brooklyn, NY**Matrix:** SOIL**Lab ID:** 1702104-003A**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C		SW5035A		Analyst: KSS
p-Diethylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
p-Ethyltoluene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
sec-Butylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Styrene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
t-Butyl alcohol	ND	2.9	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
tert-Butylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Tetrachloroethene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Toluene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
trans-1,2-Dichloroethene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
trans-1,3-Dichloropropene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Trichloroethene	31	1.2	5.8		µg/Kg-dry	1	2/18/2017 4:18:00 AM
Trichlorofluoromethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Vinyl acetate	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Vinyl chloride	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Xylenes, Total	ND	3.5	12	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Acrolein	ND	14	29	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Acrylonitrile	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:18:00 AM
Surr: 4-Bromofluorobenzene	102	0	46-137		%Rec	1	2/18/2017 4:18:00 AM
Surr: Dibromofluoromethane	109	0	45-140		%Rec	1	2/18/2017 4:18:00 AM
Surr: Toluene-d8	99.6	0	46-140		%Rec	1	2/18/2017 4:18:00 AM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418

CLIENT: ZEB Environmental
Lab Order: 1702104
Project: 17 Clay Street, Brooklyn, NY
Lab ID: 1702104-003B

Client Sample ID: SB 3 (12-14')
Collection Date: 2/16/2017 9:36:00 AM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY							
			SW7471B		SW7471B		Analyst: JP
Mercury	ND	0.00756	0.0142	U	mg/Kg-dry	1	2/17/2017 2:18:48 PM
PCB'S AS AROCLORS SW-846 METHOD 8082							
			SW8082A		SW3546		Analyst: SB
Aroclor 1016	ND	12	23	U	µg/Kg-dry	1	2/18/2017 5:19:00 AM
Aroclor 1221	ND	12	23	U	µg/Kg-dry	1	2/18/2017 5:19:00 AM
Aroclor 1232	ND	12	23	U	µg/Kg-dry	1	2/18/2017 5:19:00 AM
Aroclor 1242	ND	12	23	U	µg/Kg-dry	1	2/18/2017 5:19:00 AM
Aroclor 1248	ND	12	23	U	µg/Kg-dry	1	2/18/2017 5:19:00 AM
Aroclor 1254	ND	12	23	U	µg/Kg-dry	1	2/18/2017 5:19:00 AM
Aroclor 1260	ND	12	23	U	µg/Kg-dry	1	2/18/2017 5:19:00 AM
Aroclor 1262	ND	12	23	U	µg/Kg-dry	1	2/18/2017 5:19:00 AM
Aroclor 1268	ND	12	23	U	µg/Kg-dry	1	2/18/2017 5:19:00 AM
Surr: DCB	36.6	0	11-146		%Rec	1	2/18/2017 5:19:00 AM
Surr: DCB	39.9	0	11-146		%Rec	1	2/18/2017 5:19:00 AM
Surr: TCX	79.6	0	11-147		%Rec	1	2/18/2017 5:19:00 AM
Surr: TCX	74.0	0	11-147		%Rec	1	2/18/2017 5:19:00 AM
PESTICIDES SW-846 METHOD 8081							
			SW8081B		SW3546		Analyst: SB
4,4'-DDD	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:09:00 PM
4,4'-DDE	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:09:00 PM
4,4'-DDT	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:09:00 PM
Aldrin	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:09:00 PM
alpha-BHC	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:09:00 PM
alpha-Chlordane	ND	6.9	12	U	µg/Kg-dry	1	2/17/2017 6:09:00 PM
beta-BHC	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:09:00 PM
Chlorobenzilate	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:09:00 PM
DBCP	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:09:00 PM
delta-BHC	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:09:00 PM
Dieldrin	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:09:00 PM
Endosulfan I	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:09:00 PM
Endosulfan II	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:09:00 PM
Endosulfan sulfate	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:09:00 PM
Endrin	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:09:00 PM
Endrin aldehyde	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:09:00 PM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418

CLIENT: ZEB Environmental
Lab Order: 1702104
Project: 17 Clay Street, Brooklyn, NY
Lab ID: 1702104-003B

Client Sample ID: SB 3 (12-14')
Collection Date: 2/16/2017 9:36:00 AM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			SW8081B		SW3546		Analyst: SB
Endrin ketone	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:09:00 PM
gamma-BHC	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:09:00 PM
gamma-Chlordane	ND	6.9	12	U	µg/Kg-dry	1	2/17/2017 6:09:00 PM
Heptachlor	ND	2.3	3.5	U	µg/Kg-dry	1	2/17/2017 6:09:00 PM
Heptachlor epoxide	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:09:00 PM
Hexachlorobenzene	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:09:00 PM
Hexachlorocyclopentadiene	ND	3.5	3.5	U	µg/Kg-dry	1	2/17/2017 6:09:00 PM
Methoxychlor	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:09:00 PM
Toxaphene	ND	14	29	U	µg/Kg-dry	1	2/17/2017 6:09:00 PM
Surr: DCB	80.2	0	12-154		%Rec	1	2/17/2017 6:09:00 PM
Surr: DCB	91.8	0	12-154		%Rec	1	2/17/2017 6:09:00 PM
Surr: TCX	77.2	0	12-153		%Rec	1	2/17/2017 6:09:00 PM
Surr: TCX	82.3	0	12-153		%Rec	1	2/17/2017 6:09:00 PM
PERCENT MOISTURE			D2216				Analyst: KK
Percent Moisture	13.3	0	1.00		wt%	1	2/19/2017 9:33:47 AM
TOTAL METALS			SW6010C		SW3050B		Analyst: JP
Aluminum	5880	0.106	0.424		mg/Kg-dry	1	2/17/2017 2:12:02 PM
Antimony	ND	0.212	0.530	U	mg/Kg-dry	1	2/17/2017 2:12:02 PM
Arsenic	5.82	0.212	0.530		mg/Kg-dry	1	2/17/2017 2:12:02 PM
Barium	51.4	0.212	0.424		mg/Kg-dry	1	2/17/2017 2:12:02 PM
Beryllium	ND	0.106	0.424	U	mg/Kg-dry	1	2/17/2017 2:12:02 PM
Cadmium	ND	0.106	0.424	U	mg/Kg-dry	1	2/17/2017 2:12:02 PM
Calcium	1370	0.212	0.530		mg/Kg-dry	1	2/17/2017 2:12:02 PM
Chromium	16.5	0.106	0.424		mg/Kg-dry	1	2/17/2017 2:12:02 PM
Cobalt	ND	0.106	0.424	U	mg/Kg-dry	1	2/17/2017 2:12:02 PM
Copper	17.3	0.106	0.424		mg/Kg-dry	1	2/17/2017 2:12:02 PM
Iron	24900	2.12	4.24	D	mg/Kg-dry	10	2/17/2017 2:55:19 PM
Lead	7.00	0.212	0.424		mg/Kg-dry	1	2/17/2017 2:12:02 PM
Magnesium	3730	0.106	0.424		mg/Kg-dry	1	2/17/2017 2:12:02 PM
Manganese	339	0.106	0.424		mg/Kg-dry	1	2/17/2017 2:12:02 PM
Nickel	16.3	0.106	0.424		mg/Kg-dry	1	2/17/2017 2:12:02 PM
Potassium	2460	0.212	0.530		mg/Kg-dry	1	2/17/2017 2:12:02 PM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418

CLIENT: ZEB Environmental
Lab Order: 1702104
Project: 17 Clay Street, Brooklyn, NY
Lab ID: 1702104-003B

Client Sample ID: SB 3 (12-14')
Collection Date: 2/16/2017 9:36:00 AM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TOTAL METALS			SW6010C		SW3050B		Analyst: JP
Selenium	ND	0.212	0.530	U	mg/Kg-dry	1	2/17/2017 2:12:02 PM
Silver	ND	0.106	0.424	U	mg/Kg-dry	1	2/17/2017 2:12:02 PM
Sodium	80.3	0.212	0.530		mg/Kg-dry	1	2/17/2017 2:12:02 PM
Thallium	3.88	0.318	0.530		mg/Kg-dry	1	2/17/2017 2:12:02 PM
Vanadium	26.0	0.106	0.424		mg/Kg-dry	1	2/17/2017 2:12:02 PM
Zinc	80.2	0.106	0.424		mg/Kg-dry	1	2/17/2017 2:12:02 PM
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Biphenyl	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
1,2,4-Trichlorobenzene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
1,2-Dichlorobenzene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
1,3-Dichlorobenzene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
1,4-Dichlorobenzene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
2,4,5-Trichlorophenol	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
2,4,6-Trichlorophenol	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
2,4-Dichlorophenol	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
2,4-Dimethylphenol	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
2,4-Dinitrophenol	ND	58	580	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
2,4-Dinitrotoluene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
2,6-Dinitrotoluene	ND	58	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
2-Chloronaphthalene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
2-Chlorophenol	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
2-Methylnaphthalene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
2-Methylphenol	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
2-Nitroaniline	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
2-Nitrophenol	ND	58	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
3+4-Methylphenol	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
3,3'-Dichlorobenzidine	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
3-Nitroaniline	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
4,6-Dinitro-2-methylphenol	ND	58	580	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
4-Bromophenyl phenyl ether	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
4-Chloro-3-methylphenol	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
4-Chloroaniline	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418

CLIENT: ZEB Environmental
Lab Order: 1702104
Project: 17 Clay Street, Brooklyn, NY
Lab ID: 1702104-003B

Client Sample ID: SB 3 (12-14')
Collection Date: 2/16/2017 9:36:00 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		
4-Chlorophenyl phenyl ether	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
4-Nitroaniline	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
4-Nitrophenol	ND	58	580	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Acenaphthene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Acenaphthylene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Acetophenone	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Aniline	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Anthracene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Atrazine	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Azobenzene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Benzaldehyde	ND	58	580	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Benzidine	ND	58	580	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Benzo(a)anthracene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Benzo(a)pyrene	ND	29	170	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Benzo(b)fluoranthene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Benzo(g,h,i)perylene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Benzo(k)fluoranthene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Benzoic acid	ND	58	580	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Benzyl alcohol	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Bis(2-chloroethoxy)methane	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Bis(2-chloroethyl)ether	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Bis(2-chloroisopropyl)ether	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Bis(2-ethylhexyl)phthalate	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Butyl benzyl phthalate	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Caprolactam	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Carbazole	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Chrysene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Di-n-butyl phthalate	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Di-n-octyl phthalate	ND	58	580	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Dibenzo(a,h)anthracene	ND	29	170	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Dibenzofuran	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Diethyl phthalate	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Dimethyl phthalate	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418

CLIENT: ZEB Environmental
Lab Order: 1702104
Project: 17 Clay Street, Brooklyn, NY
Lab ID: 1702104-003B

Client Sample ID: SB 3 (12-14')
Collection Date: 2/16/2017 9:36:00 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
Fluoranthene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Fluorene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Hexachlorobenzene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Hexachlorobutadiene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Hexachlorocyclopentadiene	ND	58	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Hexachloroethane	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Indeno(1,2,3-c,d)pyrene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Isophorone	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
N-Nitrosodi-n-propylamine	ND	29	170	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
N-Nitrosodimethylamine	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
N-Nitrosodiphenylamine	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Naphthalene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Nitrobenzene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Parathion	ND	58	580	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Pentachlorophenol	ND	58	580	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Phenanthrene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Phenol	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Pyrene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Pyridine	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:09:00 PM
Surr: 2,4,6-Tribromophenol	77.9	0	11-144		%Rec	1	2/17/2017 7:09:00 PM
Surr: 2-Fluorobiphenyl	75.7	0	17-137		%Rec	1	2/17/2017 7:09:00 PM
Surr: 2-Fluorophenol	78.5	0	13-131		%Rec	1	2/17/2017 7:09:00 PM
Surr: 4-Terphenyl-d14	77.0	0	20-143		%Rec	1	2/17/2017 7:09:00 PM
Surr: Nitrobenzene-d5	77.1	0	13-139		%Rec	1	2/17/2017 7:09:00 PM
Surr: Phenol-d6	74.9	0	12-135		%Rec	1	2/17/2017 7:09:00 PM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418**CLIENT:** ZEB Environmental**Client Sample ID:** SB 4 (4-6')**Lab Order:** 1702104**Collection Date:** 2/16/2017 10:30:00 AM**Project:** 17 Clay Street, Brooklyn, NY**Matrix:** SOIL**Lab ID:** 1702104-004A**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C	SW5035A	Analyst: KSS		
1,1,1,2-Tetrachloroethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
1,1,1-Trichloroethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
1,1,2,2-Tetrachloroethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
1,1,2-Trichloroethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
1,1-Dichloroethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
1,1-Dichloroethene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
1,1-Dichloropropene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
1,2,3-Trichlorobenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
1,2,3-Trichloropropane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
1,2,4,5-Tetramethylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
1,2,4-Trichlorobenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
1,2,4-Trimethylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
1,2-Dibromo-3-chloropropane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
1,2-Dibromoethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
1,2-Dichlorobenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
1,2-Dichloroethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
1,2-Dichloropropane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
1,3,5-Trimethylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
1,3-Dichlorobenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
1,3-dichloropropane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
1,4-Dichlorobenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
1,4-Dioxane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
2,2-Dichloropropane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
2-Butanone	ND	5.8	12	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
2-Chloroethyl vinyl ether	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
2-Chlorotoluene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
2-Hexanone	ND	5.8	12	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
2-Propanol	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
4-Chlorotoluene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
4-Isopropyltoluene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
4-Methyl-2-pentanone	ND	5.8	12	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Acetone	8.3	1.2	5.8	B	µg/Kg-dry	1	2/18/2017 4:50:00 AM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418

CLIENT: ZEB Environmental
Lab Order: 1702104
Project: 17 Clay Street, Brooklyn, NY
Lab ID: 1702104-004A

Client Sample ID: SB 4 (4-6')
Collection Date: 2/16/2017 10:30:00 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: KSS		
Benzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Bromobenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Bromochloromethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Bromodichloromethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Bromoform	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Bromomethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Carbon disulfide	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Carbon tetrachloride	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Chlorobenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Chlorodifluoromethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Chloroethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Chloroform	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Chloromethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
cis-1,2-Dichloroethene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
cis-1,3-Dichloropropene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Cyclohexane	ND	2.3	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Dibromochloromethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Dibromomethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Dichlorodifluoromethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Diisopropyl ether	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Ethanol	ND	12	23	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Ethylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Freon-114	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Hexachlorobutadiene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Isopropylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
m,p-Xylene	ND	2.3	12	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Methyl Acetate	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Methyl tert-butyl ether	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Methylene chloride	9.1	1.2	5.8	B	µg/Kg-dry	1	2/18/2017 4:50:00 AM
n-Butylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
n-Propylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Naphthalene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
o-Xylene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418**CLIENT:** ZEB Environmental**Client Sample ID:** SB 4 (4-6')**Lab Order:** 1702104**Collection Date:** 2/16/2017 10:30:00 AM**Project:** 17 Clay Street, Brooklyn, NY**Matrix:** SOIL**Lab ID:** 1702104-004A**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C	SW5035A	Analyst: KSS		
p-Diethylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
p-Ethyltoluene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
sec-Butylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Styrene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
t-Butyl alcohol	ND	2.9	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
tert-Butylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Tetrachloroethene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Toluene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
trans-1,2-Dichloroethene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
trans-1,3-Dichloropropene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Trichloroethene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Trichlorofluoromethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Vinyl acetate	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Vinyl chloride	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Xylenes, Total	ND	3.5	12	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Acrolein	ND	15	29	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Acrylonitrile	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 4:50:00 AM
Surr: 4-Bromofluorobenzene	104	0	46-137		%Rec	1	2/18/2017 4:50:00 AM
Surr: Dibromofluoromethane	113	0	45-140		%Rec	1	2/18/2017 4:50:00 AM
Surr: Toluene-d8	99.9	0	46-140		%Rec	1	2/18/2017 4:50:00 AM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418

CLIENT: ZEB Environmental

Client Sample ID: SB 4 (4-6')

Lab Order: 1702104

Collection Date: 2/16/2017 10:30:00 AM

Project: 17 Clay Street, Brooklyn, NY

Matrix: SOIL

Lab ID: 1702104-004B

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY							
			SW7471B		SW7471B		Analyst: JP
Mercury	0.00917	0.00815	0.0153	J	mg/Kg-dry	1	2/17/2017 2:20:57 PM
PCB'S AS AROCLORS SW-846 METHOD 8082							
			SW8082A		SW3546		Analyst: SB
Aroclor 1016	ND	12	23	U	µg/Kg-dry	1	2/18/2017 5:43:00 AM
Aroclor 1221	ND	12	23	U	µg/Kg-dry	1	2/18/2017 5:43:00 AM
Aroclor 1232	ND	12	23	U	µg/Kg-dry	1	2/18/2017 5:43:00 AM
Aroclor 1242	ND	12	23	U	µg/Kg-dry	1	2/18/2017 5:43:00 AM
Aroclor 1248	ND	12	23	U	µg/Kg-dry	1	2/18/2017 5:43:00 AM
Aroclor 1254	ND	12	23	U	µg/Kg-dry	1	2/18/2017 5:43:00 AM
Aroclor 1260	ND	12	23	U	µg/Kg-dry	1	2/18/2017 5:43:00 AM
Aroclor 1262	ND	12	23	U	µg/Kg-dry	1	2/18/2017 5:43:00 AM
Aroclor 1268	ND	12	23	U	µg/Kg-dry	1	2/18/2017 5:43:00 AM
Surr: DCB	35.0	0	11-146		%Rec	1	2/18/2017 5:43:00 AM
Surr: DCB	37.1	0	11-146		%Rec	1	2/18/2017 5:43:00 AM
Surr: TCX	70.3	0	11-147		%Rec	1	2/18/2017 5:43:00 AM
Surr: TCX	64.1	0	11-147		%Rec	1	2/18/2017 5:43:00 AM
PESTICIDES SW-846 METHOD 8081							
			SW8081B		SW3546		Analyst: SB
4,4'-DDD	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:23:00 PM
4,4'-DDE	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:23:00 PM
4,4'-DDT	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:23:00 PM
Aldrin	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:23:00 PM
alpha-BHC	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:23:00 PM
alpha-Chlordane	ND	7.0	12	U	µg/Kg-dry	1	2/17/2017 6:23:00 PM
beta-BHC	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:23:00 PM
Chlorobenzilate	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:23:00 PM
DBCP	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:23:00 PM
delta-BHC	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:23:00 PM
Dieldrin	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:23:00 PM
Endosulfan I	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:23:00 PM
Endosulfan II	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:23:00 PM
Endosulfan sulfate	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:23:00 PM
Endrin	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:23:00 PM
Endrin aldehyde	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:23:00 PM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418**CLIENT:** ZEB Environmental**Client Sample ID:** SB 4 (4-6')**Lab Order:** 1702104**Collection Date:** 2/16/2017 10:30:00 AM**Project:** 17 Clay Street, Brooklyn, NY**Matrix:** SOIL**Lab ID:** 1702104-004B**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			SW8081B		SW3546		Analyst: SB
Endrin ketone	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:23:00 PM
gamma-BHC	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:23:00 PM
gamma-Chlordane	ND	7.0	12	U	µg/Kg-dry	1	2/17/2017 6:23:00 PM
Heptachlor	ND	2.3	3.5	U	µg/Kg-dry	1	2/17/2017 6:23:00 PM
Heptachlor epoxide	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:23:00 PM
Hexachlorobenzene	1.6	1.2	2.9	JP	µg/Kg-dry	1	2/17/2017 6:23:00 PM
Hexachlorocyclopentadiene	ND	3.5	3.5	U	µg/Kg-dry	1	2/17/2017 6:23:00 PM
Methoxychlor	ND	1.2	2.9	U	µg/Kg-dry	1	2/17/2017 6:23:00 PM
Toxaphene	ND	14	29	U	µg/Kg-dry	1	2/17/2017 6:23:00 PM
Surr: DCB	61.4	0	12-154		%Rec	1	2/17/2017 6:23:00 PM
Surr: DCB	73.2	0	12-154		%Rec	1	2/17/2017 6:23:00 PM
Surr: TCX	71.7	0	12-153		%Rec	1	2/17/2017 6:23:00 PM
Surr: TCX	77.2	0	12-153		%Rec	1	2/17/2017 6:23:00 PM
PERCENT MOISTURE			D2216				Analyst: KK
Percent Moisture	13.9	0	1.00		wt%	1	2/19/2017 9:33:47 AM
TOTAL METALS			SW6010C		SW3050B		Analyst: JP
Aluminum	5280	0.110	0.438		mg/Kg-dry	1	2/17/2017 2:14:11 PM
Antimony	ND	0.219	0.548	U	mg/Kg-dry	1	2/17/2017 2:14:11 PM
Arsenic	3.20	0.219	0.548		mg/Kg-dry	1	2/17/2017 2:14:11 PM
Barium	20.1	0.219	0.438		mg/Kg-dry	1	2/17/2017 2:14:11 PM
Beryllium	ND	0.110	0.438	U	mg/Kg-dry	1	2/17/2017 2:14:11 PM
Cadmium	ND	0.110	0.438	U	mg/Kg-dry	1	2/17/2017 2:14:11 PM
Calcium	660	0.219	0.548		mg/Kg-dry	1	2/17/2017 2:14:11 PM
Chromium	8.92	0.110	0.438		mg/Kg-dry	1	2/17/2017 2:14:11 PM
Cobalt	ND	0.110	0.438	U	mg/Kg-dry	1	2/17/2017 2:14:11 PM
Copper	18.9	0.110	0.438		mg/Kg-dry	1	2/17/2017 2:14:11 PM
Iron	17900	2.19	4.38	D	mg/Kg-dry	10	2/17/2017 2:57:51 PM
Lead	6.95	0.219	0.438		mg/Kg-dry	1	2/17/2017 2:14:11 PM
Magnesium	1860	0.110	0.438		mg/Kg-dry	1	2/17/2017 2:14:11 PM
Manganese	199	0.110	0.438		mg/Kg-dry	1	2/17/2017 2:14:11 PM
Nickel	12.1	0.110	0.438		mg/Kg-dry	1	2/17/2017 2:14:11 PM
Potassium	892	0.219	0.548		mg/Kg-dry	1	2/17/2017 2:14:11 PM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418**CLIENT:** ZEB Environmental**Client Sample ID:** SB 4 (4-6')**Lab Order:** 1702104**Collection Date:** 2/16/2017 10:30:00 AM**Project:** 17 Clay Street, Brooklyn, NY**Matrix:** SOIL**Lab ID:** 1702104-004B**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TOTAL METALS			SW6010C		SW3050B		Analyst: JP
Selenium	ND	0.219	0.548	U	mg/Kg-dry	1	2/17/2017 2:14:11 PM
Silver	ND	0.110	0.438	U	mg/Kg-dry	1	2/17/2017 2:14:11 PM
Sodium	26.9	0.219	0.548		mg/Kg-dry	1	2/17/2017 2:14:11 PM
Thallium	ND	0.329	0.548	U	mg/Kg-dry	1	2/17/2017 2:14:11 PM
Vanadium	13.8	0.110	0.438		mg/Kg-dry	1	2/17/2017 2:14:11 PM
Zinc	68.1	0.110	0.438		mg/Kg-dry	1	2/17/2017 2:14:11 PM
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Biphenyl	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
1,2,4-Trichlorobenzene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
1,2-Dichlorobenzene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
1,3-Dichlorobenzene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
1,4-Dichlorobenzene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
2,4,5-Trichlorophenol	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
2,4,6-Trichlorophenol	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
2,4-Dichlorophenol	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
2,4-Dimethylphenol	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
2,4-Dinitrophenol	ND	58	580	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
2,4-Dinitrotoluene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
2,6-Dinitrotoluene	ND	58	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
2-Chloronaphthalene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
2-Chlorophenol	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
2-Methylnaphthalene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
2-Methylphenol	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
2-Nitroaniline	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
2-Nitrophenol	ND	58	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
3+4-Methylphenol	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
3,3'-Dichlorobenzidine	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
3-Nitroaniline	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
4,6-Dinitro-2-methylphenol	ND	58	580	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
4-Bromophenyl phenyl ether	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
4-Chloro-3-methylphenol	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
4-Chloroaniline	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418**CLIENT:** ZEB Environmental**Client Sample ID:** SB 4 (4-6')**Lab Order:** 1702104**Collection Date:** 2/16/2017 10:30:00 AM**Project:** 17 Clay Street, Brooklyn, NY**Matrix:** SOIL**Lab ID:** 1702104-004B**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D	SW3546	Analyst: MH		
4-Chlorophenyl phenyl ether	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
4-Nitroaniline	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
4-Nitrophenol	ND	58	580	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Acenaphthene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Acenaphthylene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Acetophenone	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Aniline	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Anthracene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Atrazine	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Azobenzene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Benzaldehyde	ND	58	580	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Benzidine	ND	58	580	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Benzo(a)anthracene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Benzo(a)pyrene	ND	29	170	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Benzo(b)fluoranthene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Benzo(g,h,i)perylene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Benzo(k)fluoranthene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Benzoic acid	ND	58	580	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Benzyl alcohol	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Bis(2-chloroethoxy)methane	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Bis(2-chloroethyl)ether	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Bis(2-chloroisopropyl)ether	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Bis(2-ethylhexyl)phthalate	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Butyl benzyl phthalate	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Caprolactam	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Carbazole	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Chrysene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Di-n-butyl phthalate	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Di-n-octyl phthalate	ND	58	580	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Dibenzo(a,h)anthracene	ND	29	170	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Dibenzofuran	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Diethyl phthalate	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Dimethyl phthalate	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418**CLIENT:** ZEB Environmental**Client Sample ID:** SB 4 (4-6')**Lab Order:** 1702104**Collection Date:** 2/16/2017 10:30:00 AM**Project:** 17 Clay Street, Brooklyn, NY**Matrix:** SOIL**Lab ID:** 1702104-004B**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D	SW3546	Analyst: MH		
Fluoranthene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Fluorene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Hexachlorobenzene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Hexachlorobutadiene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Hexachlorocyclopentadiene	ND	58	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Hexachloroethane	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Indeno(1,2,3-c,d)pyrene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Isophorone	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
N-Nitrosodi-n-propylamine	ND	29	170	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
N-Nitrosodimethylamine	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
N-Nitrosodiphenylamine	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Naphthalene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Nitrobenzene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Parathion	ND	58	580	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Pentachlorophenol	ND	58	580	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Phenanthrene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Phenol	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Pyrene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Pyridine	ND	29	290	U	µg/Kg-dry	1	2/17/2017 7:34:00 PM
Surr: 2,4,6-Tribromophenol	75.9	0	11-144		%Rec	1	2/17/2017 7:34:00 PM
Surr: 2-Fluorobiphenyl	74.0	0	17-137		%Rec	1	2/17/2017 7:34:00 PM
Surr: 2-Fluorophenol	77.3	0	13-131		%Rec	1	2/17/2017 7:34:00 PM
Surr: 4-Terphenyl-d14	72.6	0	20-143		%Rec	1	2/17/2017 7:34:00 PM
Surr: Nitrobenzene-d5	77.2	0	13-139		%Rec	1	2/17/2017 7:34:00 PM
Surr: Phenol-d6	72.1	0	12-135		%Rec	1	2/17/2017 7:34:00 PM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418**CLIENT:** ZEB Environmental**Client Sample ID:** SB 5 (9-11')**Lab Order:** 1702104**Collection Date:** 2/16/2017 11:00:00 AM**Project:** 17 Clay Street, Brooklyn, NY**Matrix:** SOIL**Lab ID:** 1702104-005A**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C	SW5035A	Analyst: KSS		
1,1,1,2-Tetrachloroethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
1,1,1-Trichloroethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
1,1,2,2-Tetrachloroethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
1,1,2-Trichloroethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
1,1-Dichloroethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
1,1-Dichloroethene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
1,1-Dichloropropene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
1,2,3-Trichlorobenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
1,2,3-Trichloropropane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
1,2,4,5-Tetramethylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
1,2,4-Trichlorobenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
1,2,4-Trimethylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
1,2-Dibromo-3-chloropropane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
1,2-Dibromoethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
1,2-Dichlorobenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
1,2-Dichloroethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
1,2-Dichloropropane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
1,3,5-Trimethylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
1,3-Dichlorobenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
1,3-dichloropropane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
1,4-Dichlorobenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
1,4-Dioxane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
2,2-Dichloropropane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
2-Butanone	ND	5.8	12	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
2-Chloroethyl vinyl ether	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
2-Chlorotoluene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
2-Hexanone	ND	5.8	12	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
2-Propanol	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
4-Chlorotoluene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
4-Isopropyltoluene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
4-Methyl-2-pentanone	ND	5.8	12	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Acetone	13	1.2	5.8	B	µg/Kg-dry	1	2/18/2017 5:22:00 AM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418**CLIENT:** ZEB Environmental**Client Sample ID:** SB 5 (9-11')**Lab Order:** 1702104**Collection Date:** 2/16/2017 11:00:00 AM**Project:** 17 Clay Street, Brooklyn, NY**Matrix:** SOIL**Lab ID:** 1702104-005A**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C	SW5035A	Analyst: KSS		
Benzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Bromobenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Bromochloromethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Bromodichloromethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Bromoform	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Bromomethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Carbon disulfide	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Carbon tetrachloride	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Chlorobenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Chlorodifluoromethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Chloroethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Chloroform	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Chloromethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
cis-1,2-Dichloroethene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
cis-1,3-Dichloropropene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Cyclohexane	ND	2.3	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Dibromochloromethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Dibromomethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Dichlorodifluoromethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Diisopropyl ether	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Ethanol	ND	12	23	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Ethylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Freon-114	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Hexachlorobutadiene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Isopropylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
m,p-Xylene	ND	2.3	12	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Methyl Acetate	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Methyl tert-butyl ether	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Methylene chloride	7.5	1.2	5.8	B	µg/Kg-dry	1	2/18/2017 5:22:00 AM
n-Butylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
n-Propylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Naphthalene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
o-Xylene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418**CLIENT:** ZEB Environmental**Client Sample ID:** SB 5 (9-11')**Lab Order:** 1702104**Collection Date:** 2/16/2017 11:00:00 AM**Project:** 17 Clay Street, Brooklyn, NY**Matrix:** SOIL**Lab ID:** 1702104-005A**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C	SW5035A	Analyst: KSS		
p-Diethylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
p-Ethyltoluene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
sec-Butylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Styrene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
t-Butyl alcohol	ND	2.9	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
tert-Butylbenzene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Tetrachloroethene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Toluene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
trans-1,2-Dichloroethene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
trans-1,3-Dichloropropene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Trichloroethene	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Trichlorofluoromethane	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Vinyl acetate	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Vinyl chloride	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Xylenes, Total	ND	3.5	12	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Acrolein	ND	14	29	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Acrylonitrile	ND	1.2	5.8	U	µg/Kg-dry	1	2/18/2017 5:22:00 AM
Surr: 4-Bromofluorobenzene	104	0	46-137		%Rec	1	2/18/2017 5:22:00 AM
Surr: Dibromofluoromethane	109	0	45-140		%Rec	1	2/18/2017 5:22:00 AM
Surr: Toluene-d8	100	0	46-140		%Rec	1	2/18/2017 5:22:00 AM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418**CLIENT:** ZEB Environmental**Client Sample ID:** SB 5 (9-11')**Lab Order:** 1702104**Collection Date:** 2/16/2017 11:00:00 AM**Project:** 17 Clay Street, Brooklyn, NY**Matrix:** SOIL**Lab ID:** 1702104-005B**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY							
			SW7471B		SW7471B		Analyst: JP
Mercury	ND	0.00648	0.0121	U	mg/Kg-dry	1	2/17/2017 2:23:06 PM
PCB'S AS AROCLORS SW-846 METHOD 8082							
			SW8082A		SW3546		Analyst: SB
Aroclor 1016	ND	11	23	U	µg/Kg-dry	1	2/18/2017 6:08:00 AM
Aroclor 1221	ND	11	23	U	µg/Kg-dry	1	2/18/2017 6:08:00 AM
Aroclor 1232	ND	11	23	U	µg/Kg-dry	1	2/18/2017 6:08:00 AM
Aroclor 1242	ND	11	23	U	µg/Kg-dry	1	2/18/2017 6:08:00 AM
Aroclor 1248	ND	11	23	U	µg/Kg-dry	1	2/18/2017 6:08:00 AM
Aroclor 1254	ND	11	23	U	µg/Kg-dry	1	2/18/2017 6:08:00 AM
Aroclor 1260	ND	11	23	U	µg/Kg-dry	1	2/18/2017 6:08:00 AM
Aroclor 1262	ND	11	23	U	µg/Kg-dry	1	2/18/2017 6:08:00 AM
Aroclor 1268	ND	11	23	U	µg/Kg-dry	1	2/18/2017 6:08:00 AM
Surr: DCB	40.2	0	11-146		%Rec	1	2/18/2017 6:08:00 AM
Surr: DCB	43.1	0	11-146		%Rec	1	2/18/2017 6:08:00 AM
Surr: TCX	74.3	0	11-147		%Rec	1	2/18/2017 6:08:00 AM
Surr: TCX	67.6	0	11-147		%Rec	1	2/18/2017 6:08:00 AM
PESTICIDES SW-846 METHOD 8081							
			SW8081B		SW3546		Analyst: SB
4,4'-DDD	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:37:00 PM
4,4'-DDE	ND	1.1	2.8	PU	µg/Kg-dry	1	2/17/2017 6:37:00 PM
4,4'-DDT	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:37:00 PM
Aldrin	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:37:00 PM
alpha-BHC	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:37:00 PM
alpha-Chlordane	ND	6.8	11	U	µg/Kg-dry	1	2/17/2017 6:37:00 PM
beta-BHC	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:37:00 PM
Chlorobenzilate	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:37:00 PM
DBCP	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:37:00 PM
delta-BHC	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:37:00 PM
Dieldrin	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:37:00 PM
Endosulfan I	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:37:00 PM
Endosulfan II	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:37:00 PM
Endosulfan sulfate	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:37:00 PM
Endrin	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:37:00 PM
Endrin aldehyde	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:37:00 PM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418**CLIENT:** ZEB Environmental**Client Sample ID:** SB 5 (9-11')**Lab Order:** 1702104**Collection Date:** 2/16/2017 11:00:00 AM**Project:** 17 Clay Street, Brooklyn, NY**Matrix:** SOIL**Lab ID:** 1702104-005B**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			SW8081B		SW3546		Analyst: SB
Endrin ketone	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:37:00 PM
gamma-BHC	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:37:00 PM
gamma-Chlordane	ND	6.8	11	U	µg/Kg-dry	1	2/17/2017 6:37:00 PM
Heptachlor	ND	2.3	3.4	U	µg/Kg-dry	1	2/17/2017 6:37:00 PM
Heptachlor epoxide	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:37:00 PM
Hexachlorobenzene	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:37:00 PM
Hexachlorocyclopentadiene	ND	3.4	3.4	U	µg/Kg-dry	1	2/17/2017 6:37:00 PM
Methoxychlor	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:37:00 PM
Toxaphene	ND	14	28	U	µg/Kg-dry	1	2/17/2017 6:37:00 PM
Surr: DCB	79.3	0	12-154	P	%Rec	1	2/17/2017 6:37:00 PM
Surr: DCB	0.780	0	12-154	PS	%Rec	1	2/17/2017 6:37:00 PM
Surr: TCX	93.3	0	12-153		%Rec	1	2/17/2017 6:37:00 PM
Surr: TCX	76.4	0	12-153		%Rec	1	2/17/2017 6:37:00 PM
PERCENT MOISTURE			D2216				Analyst: KK
Percent Moisture	14.8	0	1.00		wt%	1	2/19/2017 9:33:47 AM
TOTAL METALS			SW6010C		SW3050B		Analyst: JP
Aluminum	4590	0.104	0.416		mg/Kg-dry	1	2/17/2017 2:16:37 PM
Antimony	ND	0.208	0.520	U	mg/Kg-dry	1	2/17/2017 2:16:37 PM
Arsenic	5.54	0.208	0.520		mg/Kg-dry	1	2/17/2017 2:16:37 PM
Barium	25.3	0.208	0.416		mg/Kg-dry	1	2/17/2017 2:16:37 PM
Beryllium	ND	0.104	0.416	U	mg/Kg-dry	1	2/17/2017 2:16:37 PM
Cadmium	ND	0.104	0.416	U	mg/Kg-dry	1	2/17/2017 2:16:37 PM
Calcium	639	0.208	0.520		mg/Kg-dry	1	2/17/2017 2:16:37 PM
Chromium	11.7	0.104	0.416		mg/Kg-dry	1	2/17/2017 2:16:37 PM
Cobalt	ND	0.104	0.416	U	mg/Kg-dry	1	2/17/2017 2:16:37 PM
Copper	13.6	0.104	0.416		mg/Kg-dry	1	2/17/2017 2:16:37 PM
Iron	6720	0.208	0.416		mg/Kg-dry	1	2/17/2017 2:16:37 PM
Lead	4.39	0.208	0.416		mg/Kg-dry	1	2/17/2017 2:16:37 PM
Magnesium	1480	0.104	0.416		mg/Kg-dry	1	2/17/2017 2:16:37 PM
Manganese	107	0.104	0.416		mg/Kg-dry	1	2/17/2017 2:16:37 PM
Nickel	11.6	0.104	0.416		mg/Kg-dry	1	2/17/2017 2:16:37 PM
Potassium	1220	0.208	0.520		mg/Kg-dry	1	2/17/2017 2:16:37 PM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418**CLIENT:** ZEB Environmental**Client Sample ID:** SB 5 (9-11')**Lab Order:** 1702104**Collection Date:** 2/16/2017 11:00:00 AM**Project:** 17 Clay Street, Brooklyn, NY**Matrix:** SOIL**Lab ID:** 1702104-005B**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TOTAL METALS			SW6010C		SW3050B		Analyst: JP
Selenium	ND	0.208	0.520	U	mg/Kg-dry	1	2/17/2017 2:16:37 PM
Silver	ND	0.104	0.416	U	mg/Kg-dry	1	2/17/2017 2:16:37 PM
Sodium	33.0	0.208	0.520		mg/Kg-dry	1	2/17/2017 2:16:37 PM
Thallium	0.586	0.312	0.520		mg/Kg-dry	1	2/17/2017 2:16:37 PM
Vanadium	22.0	0.104	0.416		mg/Kg-dry	1	2/17/2017 2:16:37 PM
Zinc	91.3	0.104	0.416		mg/Kg-dry	1	2/17/2017 2:16:37 PM
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Biphenyl	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
1,2,4-Trichlorobenzene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
1,2-Dichlorobenzene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
1,3-Dichlorobenzene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
1,4-Dichlorobenzene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
2,4,5-Trichlorophenol	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
2,4,6-Trichlorophenol	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
2,4-Dichlorophenol	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
2,4-Dimethylphenol	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
2,4-Dinitrophenol	ND	59	590	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
2,4-Dinitrotoluene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
2,6-Dinitrotoluene	ND	59	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
2-Chloronaphthalene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
2-Chlorophenol	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
2-Methylnaphthalene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
2-Methylphenol	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
2-Nitroaniline	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
2-Nitrophenol	ND	59	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
3+4-Methylphenol	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
3,3'-Dichlorobenzidine	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
3-Nitroaniline	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
4,6-Dinitro-2-methylphenol	ND	59	590	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
4-Bromophenyl phenyl ether	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
4-Chloro-3-methylphenol	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
4-Chloroaniline	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418**CLIENT:** ZEB Environmental**Client Sample ID:** SB 5 (9-11')**Lab Order:** 1702104**Collection Date:** 2/16/2017 11:00:00 AM**Project:** 17 Clay Street, Brooklyn, NY**Matrix:** SOIL**Lab ID:** 1702104-005B**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D	SW3546	Analyst: MH		
4-Chlorophenyl phenyl ether	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
4-Nitroaniline	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
4-Nitrophenol	ND	59	590	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Acenaphthene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Acenaphthylene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Acetophenone	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Aniline	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Anthracene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Atrazine	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Azobenzene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Benzaldehyde	ND	59	590	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Benzidine	ND	59	590	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Benzo(a)anthracene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Benzo(a)pyrene	ND	29	180	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Benzo(b)fluoranthene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Benzo(g,h,i)perylene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Benzo(k)fluoranthene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Benzoic acid	ND	59	590	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Benzyl alcohol	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Bis(2-chloroethoxy)methane	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Bis(2-chloroethyl)ether	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Bis(2-chloroisopropyl)ether	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Bis(2-ethylhexyl)phthalate	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Butyl benzyl phthalate	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Caprolactam	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Carbazole	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Chrysene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Di-n-butyl phthalate	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Di-n-octyl phthalate	ND	59	590	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Dibenzo(a,h)anthracene	ND	29	180	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Dibenzofuran	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Diethyl phthalate	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Dimethyl phthalate	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418**CLIENT:** ZEB Environmental**Client Sample ID:** SB 5 (9-11')**Lab Order:** 1702104**Collection Date:** 2/16/2017 11:00:00 AM**Project:** 17 Clay Street, Brooklyn, NY**Matrix:** SOIL**Lab ID:** 1702104-005B**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D	SW3546	Analyst: MH		
Fluoranthene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Fluorene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Hexachlorobenzene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Hexachlorobutadiene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Hexachlorocyclopentadiene	ND	59	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Hexachloroethane	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Indeno(1,2,3-c,d)pyrene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Isophorone	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
N-Nitrosodi-n-propylamine	ND	29	180	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
N-Nitrosodimethylamine	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
N-Nitrosodiphenylamine	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Naphthalene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Nitrobenzene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Parathion	ND	59	590	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Pentachlorophenol	ND	59	590	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Phenanthrene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Phenol	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Pyrene	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Pyridine	ND	29	290	U	µg/Kg-dry	1	2/17/2017 8:00:00 PM
Surr: 2,4,6-Tribromophenol	82.3	0	11-144		%Rec	1	2/17/2017 8:00:00 PM
Surr: 2-Fluorobiphenyl	77.0	0	17-137		%Rec	1	2/17/2017 8:00:00 PM
Surr: 2-Fluorophenol	80.5	0	13-131		%Rec	1	2/17/2017 8:00:00 PM
Surr: 4-Terphenyl-d14	76.8	0	20-143		%Rec	1	2/17/2017 8:00:00 PM
Surr: Nitrobenzene-d5	81.8	0	13-139		%Rec	1	2/17/2017 8:00:00 PM
Surr: Phenol-d6	77.7	0	12-135		%Rec	1	2/17/2017 8:00:00 PM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418**CLIENT:** ZEB Environmental**Client Sample ID:** SB 6 (2-4')**Lab Order:** 1702104**Collection Date:** 2/16/2017 11:20:00 AM**Project:** 17 Clay Street, Brooklyn, NY**Matrix:** SOIL**Lab ID:** 1702104-006A**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C	SW5035A	Analyst: KSS		
1,1,1,2-Tetrachloroethane	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
1,1,1-Trichloroethane	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
1,1,2,2-Tetrachloroethane	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
1,1,2-Trichloroethane	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
1,1-Dichloroethane	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
1,1-Dichloroethene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
1,1-Dichloropropene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
1,2,3-Trichlorobenzene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
1,2,3-Trichloropropane	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
1,2,4,5-Tetramethylbenzene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
1,2,4-Trichlorobenzene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
1,2,4-Trimethylbenzene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
1,2-Dibromo-3-chloropropane	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
1,2-Dibromoethane	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
1,2-Dichlorobenzene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
1,2-Dichloroethane	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
1,2-Dichloropropane	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
1,3,5-Trimethylbenzene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
1,3-Dichlorobenzene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
1,3-dichloropropane	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
1,4-Dichlorobenzene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
1,4-Dioxane	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
2,2-Dichloropropane	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
2-Butanone	ND	5.3	11	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
2-Chloroethyl vinyl ether	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
2-Chlorotoluene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
2-Hexanone	ND	5.3	11	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
2-Propanol	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
4-Chlorotoluene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
4-Isopropyltoluene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
4-Methyl-2-pentanone	ND	5.3	11	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Acetone	6.4	1.1	5.3	B	µg/Kg-dry	1	2/18/2017 5:54:00 AM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418**CLIENT:** ZEB Environmental**Client Sample ID:** SB 6 (2-4')**Lab Order:** 1702104**Collection Date:** 2/16/2017 11:20:00 AM**Project:** 17 Clay Street, Brooklyn, NY**Matrix:** SOIL**Lab ID:** 1702104-006A**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C	SW5035A	Analyst: KSS		
Benzene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Bromobenzene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Bromochloromethane	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Bromodichloromethane	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Bromoform	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Bromomethane	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Carbon disulfide	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Carbon tetrachloride	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Chlorobenzene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Chlorodifluoromethane	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Chloroethane	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Chloroform	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Chloromethane	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
cis-1,2-Dichloroethene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
cis-1,3-Dichloropropene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Cyclohexane	ND	2.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Dibromochloromethane	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Dibromomethane	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Dichlorodifluoromethane	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Diisopropyl ether	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Ethanol	ND	11	21	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Ethylbenzene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Freon-114	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Hexachlorobutadiene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Isopropylbenzene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
m,p-Xylene	ND	2.1	11	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Methyl Acetate	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Methyl tert-butyl ether	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Methylene chloride	6.6	1.1	5.3	B	µg/Kg-dry	1	2/18/2017 5:54:00 AM
n-Butylbenzene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
n-Propylbenzene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Naphthalene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
o-Xylene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418**CLIENT:** ZEB Environmental**Client Sample ID:** SB 6 (2-4')**Lab Order:** 1702104**Collection Date:** 2/16/2017 11:20:00 AM**Project:** 17 Clay Street, Brooklyn, NY**Matrix:** SOIL**Lab ID:** 1702104-006A**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C	SW5035A	Analyst: KSS		
p-Diethylbenzene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
p-Ethyltoluene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
sec-Butylbenzene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Styrene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
t-Butyl alcohol	ND	2.7	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
tert-Butylbenzene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Tetrachloroethene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Toluene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
trans-1,2-Dichloroethene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
trans-1,3-Dichloropropene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Trichloroethene	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Trichlorofluoromethane	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Vinyl acetate	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Vinyl chloride	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Xylenes, Total	ND	3.2	11	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Acrolein	ND	13	27	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Acrylonitrile	ND	1.1	5.3	U	µg/Kg-dry	1	2/18/2017 5:54:00 AM
Surr: 4-Bromofluorobenzene	102	0	46-137		%Rec	1	2/18/2017 5:54:00 AM
Surr: Dibromofluoromethane	111	0	45-140		%Rec	1	2/18/2017 5:54:00 AM
Surr: Toluene-d8	99.1	0	46-140		%Rec	1	2/18/2017 5:54:00 AM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418**CLIENT:** ZEB Environmental**Client Sample ID:** SB 6 (2-4')**Lab Order:** 1702104**Collection Date:** 2/16/2017 11:20:00 AM**Project:** 17 Clay Street, Brooklyn, NY**Matrix:** SOIL**Lab ID:** 1702104-006B**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY							
			SW7471B		SW7471B		Analyst: JP
Mercury	0.0796	0.00791	0.0148		mg/Kg-dry	1	2/17/2017 2:25:16 PM
PCB'S AS AROCLORS SW-846 METHOD 8082							
			SW8082A		SW3546		Analyst: SB
Aroclor 1016	ND	11	22	U	µg/Kg-dry	1	2/18/2017 6:33:00 AM
Aroclor 1221	ND	11	22	U	µg/Kg-dry	1	2/18/2017 6:33:00 AM
Aroclor 1232	ND	11	22	U	µg/Kg-dry	1	2/18/2017 6:33:00 AM
Aroclor 1242	ND	11	22	U	µg/Kg-dry	1	2/18/2017 6:33:00 AM
Aroclor 1248	ND	11	22	U	µg/Kg-dry	1	2/18/2017 6:33:00 AM
Aroclor 1254	ND	11	22	U	µg/Kg-dry	1	2/18/2017 6:33:00 AM
Aroclor 1260	ND	11	22	U	µg/Kg-dry	1	2/18/2017 6:33:00 AM
Aroclor 1262	ND	11	22	U	µg/Kg-dry	1	2/18/2017 6:33:00 AM
Aroclor 1268	ND	11	22	U	µg/Kg-dry	1	2/18/2017 6:33:00 AM
Surr: DCB	25.5	0	11-146		%Rec	1	2/18/2017 6:33:00 AM
Surr: DCB	27.4	0	11-146		%Rec	1	2/18/2017 6:33:00 AM
Surr: TCX	79.8	0	11-147		%Rec	1	2/18/2017 6:33:00 AM
Surr: TCX	72.7	0	11-147		%Rec	1	2/18/2017 6:33:00 AM
PESTICIDES SW-846 METHOD 8081							
			SW8081B		SW3546		Analyst: SB
4,4'-DDD	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:52:00 PM
4,4'-DDE	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:52:00 PM
4,4'-DDT	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:52:00 PM
Aldrin	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:52:00 PM
alpha-BHC	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:52:00 PM
alpha-Chlordane	ND	6.6	11	U	µg/Kg-dry	1	2/17/2017 6:52:00 PM
beta-BHC	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:52:00 PM
Chlorobenzilate	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:52:00 PM
DBCP	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:52:00 PM
delta-BHC	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:52:00 PM
Dieldrin	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:52:00 PM
Endosulfan I	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:52:00 PM
Endosulfan II	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:52:00 PM
Endosulfan sulfate	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:52:00 PM
Endrin	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:52:00 PM
Endrin aldehyde	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:52:00 PM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418**CLIENT:** ZEB Environmental**Client Sample ID:** SB 6 (2-4')**Lab Order:** 1702104**Collection Date:** 2/16/2017 11:20:00 AM**Project:** 17 Clay Street, Brooklyn, NY**Matrix:** SOIL**Lab ID:** 1702104-006B**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			SW8081B		SW3546		Analyst: SB
Endrin ketone	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:52:00 PM
gamma-BHC	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:52:00 PM
gamma-Chlordane	ND	6.6	11	U	µg/Kg-dry	1	2/17/2017 6:52:00 PM
Heptachlor	ND	2.2	3.3	U	µg/Kg-dry	1	2/17/2017 6:52:00 PM
Heptachlor epoxide	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:52:00 PM
Hexachlorobenzene	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:52:00 PM
Hexachlorocyclopentadiene	ND	3.3	3.3	U	µg/Kg-dry	1	2/17/2017 6:52:00 PM
Methoxychlor	ND	1.1	2.8	U	µg/Kg-dry	1	2/17/2017 6:52:00 PM
Toxaphene	ND	14	28	U	µg/Kg-dry	1	2/17/2017 6:52:00 PM
Surr: DCB	92.1	0	12-154		%Rec	1	2/17/2017 6:52:00 PM
Surr: DCB	95.8	0	12-154		%Rec	1	2/17/2017 6:52:00 PM
Surr: TCX	88.4	0	12-153		%Rec	1	2/17/2017 6:52:00 PM
Surr: TCX	89.2	0	12-153		%Rec	1	2/17/2017 6:52:00 PM
PERCENT MOISTURE			D2216				Analyst: KK
Percent Moisture	9.71	0	1.00		wt%	1	2/19/2017 9:33:47 AM
TOTAL METALS			SW6010C		SW3050B		Analyst: JP
Aluminum	4310	0.106	0.426		mg/Kg-dry	1	2/17/2017 2:19:41 PM
Antimony	ND	0.213	0.532	U	mg/Kg-dry	1	2/17/2017 2:19:41 PM
Arsenic	3.56	0.213	0.532		mg/Kg-dry	1	2/17/2017 2:19:41 PM
Barium	21.0	0.213	0.426		mg/Kg-dry	1	2/17/2017 2:19:41 PM
Beryllium	ND	0.106	0.426	U	mg/Kg-dry	1	2/17/2017 2:19:41 PM
Cadmium	ND	0.106	0.426	U	mg/Kg-dry	1	2/17/2017 2:19:41 PM
Calcium	605	0.213	0.532		mg/Kg-dry	1	2/17/2017 2:19:41 PM
Chromium	7.98	0.106	0.426		mg/Kg-dry	1	2/17/2017 2:19:41 PM
Cobalt	ND	0.106	0.426	U	mg/Kg-dry	1	2/17/2017 2:19:41 PM
Copper	11.6	0.106	0.426		mg/Kg-dry	1	2/17/2017 2:19:41 PM
Iron	15500	2.13	4.26	D	mg/Kg-dry	10	2/17/2017 3:04:10 PM
Lead	27.8	0.213	0.426		mg/Kg-dry	1	2/17/2017 2:19:41 PM
Magnesium	1630	0.106	0.426		mg/Kg-dry	1	2/17/2017 2:19:41 PM
Manganese	321	0.106	0.426		mg/Kg-dry	1	2/17/2017 2:19:41 PM
Nickel	12.0	0.106	0.426		mg/Kg-dry	1	2/17/2017 2:19:41 PM
Potassium	908	0.213	0.532		mg/Kg-dry	1	2/17/2017 2:19:41 PM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418

CLIENT: ZEB Environmental

Client Sample ID: SB 6 (2-4')

Lab Order: 1702104

Collection Date: 2/16/2017 11:20:00 AM

Project: 17 Clay Street, Brooklyn, NY

Matrix: SOIL

Lab ID: 1702104-006B

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TOTAL METALS			SW6010C	SW3050B			Analyst: JP
Selenium	ND	0.213	0.532	U	mg/Kg-dry	1	2/17/2017 2:19:41 PM
Silver	ND	0.106	0.426	U	mg/Kg-dry	1	2/17/2017 2:19:41 PM
Sodium	29.9	0.213	0.532		mg/Kg-dry	1	2/17/2017 2:19:41 PM
Thallium	ND	0.319	0.532	U	mg/Kg-dry	1	2/17/2017 2:19:41 PM
Vanadium	12.9	0.106	0.426		mg/Kg-dry	1	2/17/2017 2:19:41 PM
Zinc	70.6	0.106	0.426		mg/Kg-dry	1	2/17/2017 2:19:41 PM
SEMIVOLATILE SW-846 METHOD 8270			SW8270D	SW3546			Analyst: MH
Biphenyl	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
1,2,4-Trichlorobenzene	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
1,2-Dichlorobenzene	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
1,3-Dichlorobenzene	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
1,4-Dichlorobenzene	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
2,4,5-Trichlorophenol	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
2,4,6-Trichlorophenol	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
2,4-Dichlorophenol	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
2,4-Dimethylphenol	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
2,4-Dinitrophenol	ND	55	550	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
2,4-Dinitrotoluene	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
2,6-Dinitrotoluene	ND	55	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
2-Chloronaphthalene	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
2-Chlorophenol	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
2-Methylnaphthalene	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
2-Methylphenol	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
2-Nitroaniline	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
2-Nitrophenol	ND	55	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
3+4-Methylphenol	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
3,3'-Dichlorobenzidine	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
3-Nitroaniline	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
4,6-Dinitro-2-methylphenol	ND	55	550	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
4-Bromophenyl phenyl ether	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
4-Chloro-3-methylphenol	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
4-Chloroaniline	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418**CLIENT:** ZEB Environmental**Client Sample ID:** SB 6 (2-4')**Lab Order:** 1702104**Collection Date:** 2/16/2017 11:20:00 AM**Project:** 17 Clay Street, Brooklyn, NY**Matrix:** SOIL**Lab ID:** 1702104-006B**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D	SW3546	Analyst: MH		
4-Chlorophenyl phenyl ether	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
4-Nitroaniline	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
4-Nitrophenol	ND	55	550	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Acenaphthene	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Acenaphthylene	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Acetophenone	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Aniline	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Anthracene	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Atrazine	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Azobenzene	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Benzaldehyde	ND	55	550	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Benzidine	ND	55	550	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Benzo(a)anthracene	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Benzo(a)pyrene	ND	28	170	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Benzo(b)fluoranthene	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Benzo(g,h,i)perylene	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Benzo(k)fluoranthene	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Benzoic acid	ND	55	550	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Benzyl alcohol	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Bis(2-chloroethoxy)methane	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Bis(2-chloroethyl)ether	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Bis(2-chloroisopropyl)ether	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Bis(2-ethylhexyl)phthalate	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Butyl benzyl phthalate	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Caprolactam	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Carbazole	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Chrysene	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Di-n-butyl phthalate	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Di-n-octyl phthalate	ND	55	550	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Dibenzo(a,h)anthracene	ND	28	170	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Dibenzofuran	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Diethyl phthalate	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Dimethyl phthalate	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM

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American Analytical Laboratories, LLC.

Date: 23-Feb-17

ELAP ID : 11418**CLIENT:** ZEB Environmental**Client Sample ID:** SB 6 (2-4')**Lab Order:** 1702104**Collection Date:** 2/16/2017 11:20:00 AM**Project:** 17 Clay Street, Brooklyn, NY**Matrix:** SOIL**Lab ID:** 1702104-006B**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Fluoranthene	42	28	280	J	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Fluorene	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Hexachlorobenzene	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Hexachlorobutadiene	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Hexachlorocyclopentadiene	ND	55	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Hexachloroethane	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Indeno(1,2,3-c,d)pyrene	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Isophorone	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
N-Nitrosodi-n-propylamine	ND	28	170	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
N-Nitrosodimethylamine	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
N-Nitrosodiphenylamine	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Naphthalene	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Nitrobenzene	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Parathion	ND	55	550	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Pentachlorophenol	ND	55	550	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Phenanthrene	34	28	280	J	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Phenol	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Pyrene	34	28	280	J	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Pyridine	ND	28	280	U	µg/Kg-dry	1	2/17/2017 8:25:00 PM
Surr: 2,4,6-Tribromophenol	73.4	0	11-144		%Rec	1	2/17/2017 8:25:00 PM
Surr: 2-Fluorobiphenyl	72.9	0	17-137		%Rec	1	2/17/2017 8:25:00 PM
Surr: 2-Fluorophenol	74.8	0	13-131		%Rec	1	2/17/2017 8:25:00 PM
Surr: 4-Terphenyl-d14	70.8	0	20-143		%Rec	1	2/17/2017 8:25:00 PM
Surr: Nitrobenzene-d5	74.2	0	13-139		%Rec	1	2/17/2017 8:25:00 PM
Surr: Phenol-d6	70.9	0	12-135		%Rec	1	2/17/2017 8:25:00 PM

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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12673

Sample ID	LCS-12673	SampType:	LCS	TestCode:	8082_S	Units:	%Rec	Prep Date:	2/17/2017	RunNo:	22474			
Client ID:	LCSS	Batch ID:	12673	TestNo:	SW8082A	SW3546		Analysis Date:	2/18/2017	SeqNo:	412000			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB		11			24.95			45.8	11	146				
Surr: TCX		17			24.95			67.8	11	147				

Sample ID	MB-12673	SampType:	MBLK	TestCode:	8082_S	Units:	%Rec	Prep Date:	2/17/2017	RunNo:	22474			
Client ID:	PBS	Batch ID:	12673	TestNo:	SW8082A	SW3546		Analysis Date:	2/18/2017	SeqNo:	412001			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB		8.8			24.99			35.1	11	146				
Surr: TCX		18			24.99			71.6	11	147				

Sample ID	1702104-006BMS	SampType:	MS	TestCode:	8082_S	Units:	%Rec	Prep Date:	2/17/2017	RunNo:	22474			
Client ID:	SB 6 (2-4')	Batch ID:	12673	TestNo:	SW8082A	SW3546		Analysis Date:	2/18/2017	SeqNo:	412008			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB		8.1			26.69			30.5	11	146				
Surr: TCX		19			26.69			72.7	11	147				

Sample ID	1702104-006BMSD	SampType: MSD	TestCode: 8082_S	Units: %Rec	Prep Date: 2/17/2017	RunNo: 22474					
Client ID: SB 6 (2-4')	Batch ID: 12673	TestNo: SW8082A	SW3546	Analysis Date: 2/18/2017	SeqNo: 412009						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB	11		27.44		38.7	11	146		0	20	

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp



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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12673

Sample ID	1702104-006BMSD	SampType: MSD	TestCode: 8082_S	Units: %Rec	Prep Date: 2/17/2017	RunNo: 22474					
Client ID: SB 6 (2-4')	Batch ID: 12673	TestNo: SW8082A	SW3546	Analysis Date: 2/18/2017	SeqNo: 412009						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: TCX	24		27.44		86.0	11	147		0	20	

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

W Sample container temperature is out of limit as sp



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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12673

Sample ID	LCS-12673	SampType:	LCS	TestCode:	8082_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22473
Client ID:	LCSS	Batch ID:	12673	TestNo:	SW8082A	SW3546		Analysis Date:	2/18/2017	SeqNo:	411988
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	40	20	49.90	0	80.4	26	146				
Aroclor 1221	ND	20		0	0	30	140				U
Aroclor 1232	ND	20		0	0	30	140				U
Aroclor 1242	ND	20		0	0	25	140				U
Aroclor 1248	ND	20		0	0	30	140				U
Aroclor 1254	ND	20		0	0	25	145				U
Aroclor 1260	37	20	49.90	0	74.0	20	149				
Aroclor 1262	ND	20		0	0	30	140				U
Aroclor 1268	ND	20		0	0	30	140				U
Surr: DCB	10		24.95		41.9	11	146				
Surr: TCX	16		24.95		62.6	11	147				

Sample ID	MB-12673	SampType:	MBLK	TestCode:	8082_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22473
Client ID:	PBS	Batch ID:	12673	TestNo:	SW8082A	SW3546		Analysis Date:	2/18/2017	SeqNo:	411989
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	20									U
Aroclor 1221	ND	20									U
Aroclor 1232	ND	20									U
Aroclor 1242	ND	20									U
Aroclor 1248	ND	20									U
Aroclor 1254	ND	20									U
Aroclor 1260	ND	20									U
Aroclor 1262	ND	20									U
Aroclor 1268	ND	20									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp



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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12673

Sample ID	MB-12673	SampType:	MBLK	TestCode:	8082_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22473		
Client ID:	PBS	Batch ID:	12673	TestNo:	SW8082A	SW3546		Analysis Date:	2/18/2017	SeqNo:	411989		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB		8.1			24.99		32.2	11	146				
Surr: TCX		16			24.99		64.9	11	147				

Sample ID	1702104-006BMS	SampType:	MS	TestCode:	8082_S	Units:	µg/Kg-dry	Prep Date:	2/17/2017	RunNo:	22473
Client ID:	SB 6 (2-4')	Batch ID:	12673	TestNo:	SW8082A	SW3546		Analysis Date:	2/18/2017	SeqNo:	411996
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	39	21	53.38	0	72.9	10	149				
Aroclor 1221	ND	21		0	0	30	130				U
Aroclor 1232	ND	21		0	0	23	136				U
Aroclor 1242	ND	21		0	0	25	140				U
Aroclor 1248	ND	21		0	0	30	140				U
Aroclor 1254	ND	21		0	0	20	140				U
Aroclor 1260	44	21	53.38	0	82.8	10	141				
Aroclor 1262	ND	21		0	0	30	133				U
Aroclor 1268	ND	21		0	0	11	143				U
Surr: DCB	6.7		26.69		25.2	11	146				
Surr: TCX	18		26.69		67.1	11	147				

Sample ID	1702104-006BMSD	SampType:	MSD	TestCode:	8082_S	Units:	µg/Kg-dry	Prep Date:	2/17/2017	RunNo:	22473		
Client ID:	SB 6 (2-4')	Batch ID:	12673	TestNo:	SW8082A	SW3546		Analysis Date:	2/18/2017	SeqNo:	411997		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp



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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12673

Sample ID	1702104-006BMSD	SampType:	MSD	TestCode:	8082_S	Units:	µg/Kg-dry	Prep Date:	2/17/2017	RunNo:	22473
Client ID:	SB 6 (2-4')	Batch ID:	12673	TestNo:	SW8082A	SW3546		Analysis Date:	2/18/2017	SeqNo:	411997
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	56	22	54.88	0	101	10	149	38.92	35.5	20	R
Aroclor 1221	ND	22		0	0	30	130	0	0	20	U
Aroclor 1232	ND	22		0	0	23	136	0	0	20	U
Aroclor 1242	ND	22		0	0	25	140	0	0	20	U
Aroclor 1248	ND	22		0	0	30	140	0	0	20	U
Aroclor 1254	ND	22		0	0	20	140	0	0	20	U
Aroclor 1260	55	22	54.88	0	99.5	10	141	44.18	21.1	20	R
Aroclor 1262	ND	22		0	0	30	133	0	0	20	U
Aroclor 1268	ND	22		0	0	11	143	0	0	20	U
Surr: DCB	9.9		27.44		36.1	11	146		0	20	
Surr: TCX	23		27.44		83.8	11	147		0	20	

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

W Sample container temperature is out of limit as sp



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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12674

Sample ID	LCS-12674	SampType:	LCS	TestCode:	8081_S	Units:	%Rec	Prep Date:	2/17/2017	RunNo:	22476			
Client ID:	LCSS	Batch ID:	12674	TestNo:	SW8081B	SW3546		Analysis Date:	2/17/2017	SeqNo:	412043			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB		19			24.90			77.3	12	154				
Surr: TCX		18			24.90			72.0	12	153				

Sample ID	MB-12674	SampType:	MBLK	TestCode:	8081_S	Units:	%Rec	Prep Date:	2/17/2017	RunNo:	22476			
Client ID:	PBS	Batch ID:	12674	TestNo:	SW8081B	SW3546		Analysis Date:	2/17/2017	SeqNo:	412044			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB		24			24.99			94.3	12	154				
Surr: TCX		22			24.99			87.7	12	153				

Sample ID	1702104-001BMS	SampType:	MS	TestCode:	8081_S	Units:	%Rec	Prep Date:	2/17/2017	RunNo:	22476			
Client ID:	SB 1 (9-11')	Batch ID:	12674	TestNo:	SW8081B	SW3546		Analysis Date:	2/20/2017	SeqNo:	412500			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB		28			29.86			95.4	12	154				
Surr: TCX		30			29.86			98.9	12	153				

Sample ID	1702104-001BMSD	SampType: MSD	TestCode: 8081_S	Units: %Rec	Prep Date: 2/17/2017	RunNo: 22476					
Client ID: SB 1 (9-11')	Batch ID: 12674	TestNo: SW8081B	SW3546	Analysis Date: 2/20/2017	SeqNo: 412501						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB	26		30.93		85.1	12	154		0	20	

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp



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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12674

Sample ID	1702104-001BMSD	SampType: MSD	TestCode: 8081_S	Units: %Rec	Prep Date: 2/17/2017	RunNo: 22476					
Client ID: SB 1 (9-11')	Batch ID: 12674	TestNo: SW8081B	SW3546	Analysis Date: 2/20/2017	SeqNo: 412501						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: TCX	25		30.93		80.1	12	153		0	20	

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

W Sample container temperature is out of limit as sp



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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12674

Sample ID	LCS-12674	SampType:	LCS	TestCode:	8081_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22475
Client ID:	LCSS	Batch ID:	12674	TestNo:	SW8081B	SW3546		Analysis Date:	2/17/2017	SeqNo:	412015
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	6.7	2.5	9.960	0	66.9	20	147				
4,4'-DDE	6.8	2.5	9.960	0	68.7	28	147				
4,4'-DDT	7.5	2.5	9.960	0	75.7	20	150				
Aldrin	6.6	2.5	9.960	0	66.1	20	148				
alpha-BHC	6.6	2.5	9.960	0	66.3	20	149				
alpha-Chlordane	7.0	10	9.960	0	70.8	25	149				J
beta-BHC	8.5	2.5	9.960	0	84.9	26	155				
delta-BHC	6.0	2.5	9.960	0	59.8	20	156				
Dieldrin	6.5	2.5	9.960	0	64.8	20	149				
Endosulfan I	6.5	2.5	9.960	0	65.1	20	148				
Endosulfan II	9.0	2.5	9.960	0	90.4	29	149				
Endosulfan sulfate	7.5	2.5	9.960	0	75.0	20	152				
Endrin	7.9	2.5	9.960	0	79.5	22	152				
Endrin aldehyde	8.0	2.5	9.960	0	79.9	20	148				
Endrin ketone	7.6	2.5	9.960	0	76.2	20	151				
gamma-BHC	6.8	2.5	9.960	0	68.7	20	153				
gamma-Chlordane	6.7	10	9.960	0	67.4	28	146				J
Heptachlor	7.3	3.0	9.960	0	73.0	20	153				
Heptachlor epoxide	7.3	2.5	9.960	0	73.2	24	150				
Methoxychlor	8.2	2.5	9.960	0	82.2	25	144				
Surr: DCB	18		24.90		72.4	12	154				
Surr: TCX	18		24.90		71.3	12	153				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12674

Sample ID	MB-12674	SampType:	MBLK	TestCode:	8081_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22475
Client ID:	PBS	Batch ID:	12674	TestNo:	SW8081B	SW3546		Analysis Date:	2/17/2017	SeqNo:	412016
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	2.5									U
4,4'-DDE	ND	2.5									U
4,4'-DDT	ND	2.5									U
Aldrin	ND	2.5									U
alpha-BHC	ND	2.5									U
alpha-Chlordane	ND	10									U
beta-BHC	ND	2.5									U
Chlorobenzilate	ND	2.5									U
DBCP	ND	2.5									U
delta-BHC	ND	2.5									U
Dieldrin	ND	2.5									U
Endosulfan I	ND	2.5									U
Endosulfan II	ND	2.5									U
Endosulfan sulfate	ND	2.5									U
Endrin	ND	2.5									U
Endrin aldehyde	ND	2.5									U
Endrin ketone	ND	2.5									U
gamma-BHC	ND	2.5									U
gamma-Chlordane	ND	10									U
Heptachlor	ND	3.0									U
Heptachlor epoxide	ND	2.5									U
Hexachlorobenzene	ND	2.5									U
Hexachlorocyclopentadiene	ND	3.0									U
Methoxychlor	ND	2.5									U
Toxaphene	ND	25									U
Surr: DCB	23		24.99		90.6	12	154				

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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12674

Sample ID	MB-12674	SampType:	MBLK	TestCode:	8081_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22475		
Client ID:	PBS	Batch ID:	12674	TestNo:	SW8081B	SW3546		Analysis Date:	2/17/2017	SeqNo:	412016		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: TCX		21			24.99		85.7	12	153				

Sample ID	1702104-001BMS	SampType: MS	TestCode: 8081_S		Units: µg/Kg-dry	Prep Date: 2/17/2017			RunNo: 22475		
Client ID:	SB 1 (9-11')	Batch ID: 12674	TestNo: SW8081B		SW3546	Analysis Date: 2/20/2017			SeqNo: 412493		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	11	3.0	11.94	0	88.8	13	154				
4,4´-DDE	11	3.0	11.94	0	96.0	10	159				
4,4´-DDT	11	3.0	11.94	0	95.0	10	140				
Aldrin	11	3.0	11.94	0	93.0	20	148				
alpha-BHC	12	3.0	11.94	0	99.2	19	146				
alpha-Chlordane	12	12	11.94	0	98.3	21	153				J
beta-BHC	14	3.0	11.94	0	114	27	154				
delta-BHC	8.5	3.0	11.94	0	71.3	13	155				
Dieldrin	11	3.0	11.94	0	91.2	14	149				
Endosulfan I	11	3.0	11.94	0	88.4	20	148				
Endosulfan II	12	3.0	11.94	0	96.9	20	145				
Endosulfan sulfate	11	3.0	11.94	0	88.2	18	147				
Endrin	13	3.0	11.94	0	109	16	156				
Endrin aldehyde	12	3.0	11.94	0	100	15	151				
Endrin ketone	12	3.0	11.94	0	102	10	154				
gamma-BHC	11	3.0	11.94	0	95.7	20	157				
gamma-Chlordane	11	12	11.94	0	96.1	20	153				J
Heptachlor	11	3.6	11.94	0	92.0	20	150				
Heptachlor epoxide	11	3.0	11.94	0	95.1	23	158				

Qualifiers: R RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12674

Sample ID	1702104-001BMS	SampType:	MS	TestCode:	8081_S	Units:	µg/Kg-dry	Prep Date:	2/17/2017	RunNo:	22475
Client ID:	SB 1 (9-11')	Batch ID:	12674	TestNo:	SW8081B	SW3546		Analysis Date:	2/20/2017	SeqNo:	412493
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methoxychlor	12	3.0	11.94	0	96.9	30	158				P
Surr: DCB	27		29.86		91.2	12	154				
Surr: TCX	28		29.86		92.6	12	153				

Sample ID	1702104-001BMSD	SampType:	MSD	TestCode:	8081_S	Units:	µg/Kg-dry	Prep Date:	2/17/2017	RunNo:	22475
Client ID:	SB 1 (9-11')	Batch ID:	12674	TestNo:	SW8081B	SW3546		Analysis Date:	2/20/2017	SeqNo:	412494
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	8.6	3.1	12.37	0	69.3	13	154	10.60	21.1	20	R
4,4'-DDE	12	3.1	12.37	0	100	10	159	11.46	7.73	20	
4,4'-DDT	12	3.1	12.37	0	97.3	10	140	11.35	5.92	20	
Aldrin	11	3.1	12.37	0	85.8	20	148	11.11	4.51	20	
alpha-BHC	11	3.1	12.37	0	84.9	19	146	11.85	12.1	20	
alpha-Chlordane	11	12	12.37	0	90.6	21	153	11.74	4.61	20	J
beta-BHC	18	3.1	12.37	0	148	27	154	13.65	29.1	20	PR
delta-BHC	12	3.1	12.37	0	101	13	155	8.515	37.5	20	R
Dieldrin	13	3.1	12.37	0	103	14	149	10.89	15.7	20	
Endosulfan I	11	3.1	12.37	0	87.6	20	148	10.56	2.66	20	
Endosulfan II	12	3.1	12.37	0	95.1	20	145	11.58	1.59	20	
Endosulfan sulfate	10	3.1	12.37	0	84.7	18	147	10.53	0.464	20	
Endrin	16	3.1	12.37	0	133	16	156	12.97	23.9	20	R
Endrin aldehyde	12	3.1	12.37	0	99.1	15	151	11.95	2.50	20	
Endrin ketone	10	3.1	12.37	0	84.4	10	154	12.23	15.9	20	P
gamma-BHC	13	3.1	12.37	0	104	20	157	11.43	11.4	20	
gamma-Chlordane	11	12	12.37	0	89.2	20	153	11.47	3.89	20	J

Qualifiers: R RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12674

Sample ID	1702104-001BMSD	SampType:	MSD	TestCode:	8081_S	Units:	µg/Kg-dry	Prep Date:	2/17/2017	RunNo:	22475
Client ID:	SB 1 (9-11')	Batch ID:	12674	TestNo:	SW8081B	SW3546		Analysis Date:	2/20/2017	SeqNo:	412494
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heptachlor	13	3.7	12.37	0	106	20	150	10.98	17.9	20	
Heptachlor epoxide	14	3.1	12.37	0	113	23	158	11.36	20.8	20	R
Methoxychlor	13	3.1	12.37	0	102	30	158	11.57	8.35	20	
Surr: DCB	25		30.93		80.9	12	154		0	20	
Surr: TCX	24		30.93		76.6	12	153		0	20	

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp



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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12675

Sample ID	MB-12675	SampType:	MBLK	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22471		
Client ID:	PBS	Batch ID:	12675	TestNo:	SW8270D	SW3546		Analysis Date:	2/17/2017	SeqNo:	411969		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3´-Dichlorobenzidine		ND		250									U
Atrazine		ND		250									U
Benzaldehyde		ND		500									U
Benzidine		ND		500									U
Caprolactam		ND		250									U

Sample ID	LCS-12675	SampType: LCS	TestCode: 8270_S		Units: µg/Kg	Prep Date: 2/17/2017			RunNo: 22471		
Client ID:	LCSS	Batch ID: 12675	TestNo: SW8270D		SW3546	Analysis Date: 2/17/2017			SeqNo: 411971		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3´-Dichlorobenzidine	920	250	2000	0	45.9	15	129				
Atrazine	1900	250	2000	0	95.4	44	138				
Benzaldehyde	1500	500	2000	0	76.7	22	142				
Benzidine	430	500	2000	0	21.3	1	120				J
Caprolactam	1700	250	2000	0	83.5	29	133				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp



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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12675

Sample ID	MB-12675	SampType:	MBLK	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22470
Client ID:	PBS	Batch ID:	12675	TestNo:	SW8270D	SW3546		Analysis Date:	2/17/2017	SeqNo:	411899
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biphenyl	ND	250									U
1,2,4-Trichlorobenzene	ND	250									U
1,2-Dichlorobenzene	ND	250									U
1,3-Dichlorobenzene	ND	250									U
1,4-Dichlorobenzene	ND	250									U
2,4,5-Trichlorophenol	ND	250									U
2,4,6-Trichlorophenol	ND	250									U
2,4-Dichlorophenol	ND	250									U
2,4-Dimethylphenol	ND	250									U
2,4-Dinitrophenol	ND	500									U
2,4-Dinitrotoluene	ND	250									U
2,6-Dinitrotoluene	ND	250									U
2-Chloronaphthalene	ND	250									U
2-Chlorophenol	ND	250									U
2-Methylnaphthalene	ND	250									U
2-Methylphenol	ND	250									U
2-Nitroaniline	ND	250									U
2-Nitrophenol	ND	250									U
3+4-Methylphenol	ND	250									U
3-Nitroaniline	ND	250									U
4,6-Dinitro-2-methylphenol	ND	500									U
4-Bromophenyl phenyl ether	ND	250									U
4-Chloro-3-methylphenol	ND	250									U
4-Chloroaniline	ND	250									U
4-Chlorophenyl phenyl ether	ND	250									U
4-Nitroaniline	ND	250									U

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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12675

Sample ID	MB-12675	SampType:	MBLK	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22470
Client ID:	PBS	Batch ID:	12675	TestNo:	SW8270D	SW3546		Analysis Date:	2/17/2017	SeqNo:	411899
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Nitrophenol	ND	500									U
Acenaphthene	ND	250									U
Acenaphthylene	ND	250									U
Acetophenone	ND	250									U
Aniline	ND	250									U
Anthracene	ND	250									U
Azobenzene	ND	250									U
Benzo(a)anthracene	ND	250									U
Benzo(a)pyrene	ND	150									U
Benzo(b)fluoranthene	ND	250									U
Benzo(g,h,i)perylene	ND	250									U
Benzo(k)fluoranthene	ND	250									U
Benzoic acid	ND	500									U
Benzyl alcohol	ND	250									U
Bis(2-chloroethoxy)methane	ND	250									U
Bis(2-chloroethyl)ether	ND	250									U
Bis(2-chloroisopropyl)ether	ND	250									U
Bis(2-ethylhexyl)phthalate	ND	250									U
Butyl benzyl phthalate	ND	250									U
Carbazole	ND	250									U
Chrysene	ND	250									U
Di-n-butyl phthalate	ND	250									U
Di-n-octyl phthalate	ND	500									U
Dibenzo(a,h)anthracene	ND	150									U
Dibenzofuran	ND	250									U
Diethyl phthalate	ND	250									U

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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12675

Sample ID	MB-12675	SampType:	MBLK	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22470
Client ID:	PBS	Batch ID:	12675	TestNo:	SW8270D	SW3546		Analysis Date:	2/17/2017	SeqNo:	411899
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dimethyl phthalate	ND	250									U
Fluoranthene	ND	250									U
Fluorene	ND	250									U
Hexachlorobenzene	ND	250									U
Hexachlorobutadiene	ND	250									U
Hexachlorocyclopentadiene	ND	250									U
Hexachloroethane	ND	250									U
Indeno(1,2,3-c,d)pyrene	ND	250									U
Isophorone	ND	250									U
N-Nitrosodi-n-propylamine	ND	150									U
N-Nitrosodimethylamine	ND	250									U
N-Nitrosodiphenylamine	ND	250									U
Naphthalene	ND	250									U
Nitrobenzene	ND	250									U
Parathion	ND	500									U
Pentachlorophenol	ND	500									U
Phenanthrene	ND	250									U
Phenol	ND	250									U
Pyrene	ND	250									U
Pyridine	ND	250									U
Surr: 2,4,6-Tribromophenol	1400		2000		71.2	11	144				
Surr: 2-Fluorobiphenyl	870		1000		87.4	17	137				
Surr: 2-Fluorophenol	1800		2000		89.8	13	131				
Surr: 4-Terphenyl-d14	910		1000		91.0	20	143				
Surr: Nitrobenzene-d5	810		1000		80.6	13	139				
Surr: Phenol-d6	1800		2000		88.4	12	135				

Qualifiers: R RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12675

Sample ID	MB-12675	SampType:	MBLK	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22470
Client ID:	PBS	Batch ID:	12675	TestNo:	SW8270D	SW3546		Analysis Date:	2/17/2017	SeqNo:	411899
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual

Sample ID	LCS-12675	SampType: LCS	TestCode: 8270_S		Units: µg/Kg	Prep Date: 2/17/2017			RunNo: 22470			
Client ID:	LCSS	Batch ID: 12675	TestNo: SW8270D		SW3546	Analysis Date: 2/17/2017			SeqNo: 411900			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biphenyl		1800	250	2000	0	89.1	37	135				
1,2,4-Trichlorobenzene		1600	250	2000	0	81.6	20	140				
1,2-Dichlorobenzene		1600	250	2000	0	81.5	26	134				
1,3-Dichlorobenzene		1600	250	2000	0	82.2	21	141				
1,4-Dichlorobenzene		1600	250	2000	0	78.3	24	143				
2,4,5-Trichlorophenol		ND	250		0	0	33	133				U
2,4,6-Trichlorophenol		1800	250	2000	0	88.6	28	146				
2,4-Dichlorophenol		1800	250	2000	0	87.5	27	142				
2,4-Dimethylphenol		1800	250	2000	0	87.7	15	138				
2,4-Dinitrophenol		1100	500	2000	0	55.5	1	144				
2,4-Dinitrotoluene		1700	250	2000	0	85.6	23	153				
2,6-Dinitrotoluene		1600	250	2000	0	80.1	27	140				
2-Chloronaphthalene		1800	250	2000	0	91.2	28	147				
2-Chlorophenol		1800	250	2000	0	90.0	23	144				
2-Methylnaphthalene		ND	250		0	0	24	134				U
2-Methylphenol		ND	250		0	0	23	143				U
2-Nitroaniline		ND	250		0	0	18	148				U
2-Nitrophenol		1600	250	2000	0	82.4	11	147				
3+4-Methylphenol		ND	250		0	0	16	137				U
3-Nitroaniline		ND	250		0	0	18	133				U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp



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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12675

Sample ID	LCS-12675	SampType:	LCS	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22470
Client ID:	LCSS	Batch ID:	12675	TestNo:	SW8270D	SW3546		Analysis Date:	2/17/2017	SeqNo:	411900
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,6-Dinitro-2-methylphenol	1500	500	2000	0	72.8	10	147				
4-Bromophenyl phenyl ether	1800	250	2000	0	89.5	33	137				
4-Chloro-3-methylphenol	1800	250	2000	0	90.1	27	143				
4-Chloroaniline	ND	250		0	0	10	112				U
4-Chlorophenyl phenyl ether	1800	250	2000	0	88.1	34	135				
4-Nitroaniline	ND	250		0	0	25	141				U
4-Nitrophenol	1700	500	2000	0	83.1	9	150				
Acenaphthene	1700	250	2000	0	85.0	30	141				
Acenaphthylene	1800	250	2000	0	90.1	30	139				
Acetophenone	1700	250	2000	0	84.1	30	134				
Aniline	ND	250		0	0	10	100				U
Anthracene	1800	250	2000	0	88.8	32	141				
Azobenzene	1800	250	2000	0	88.5	42	120				
Benzo(a)anthracene	1800	250	2000	0	90.7	28	145				
Benzo(a)pyrene	1800	150	2000	0	89.0	25	144				
Benzo(b)fluoranthene	1700	250	2000	0	87.0	25	148				
Benzo(g,h,i)perylene	1800	250	2000	0	91.6	23	148				
Benzo(k)fluoranthene	2000	250	2000	0	97.9	27	144				
Benzoic acid	680	500	2000	0	34.2	1	149				
Benzyl alcohol	ND	250		0	0	21	141				U
Bis(2-chloroethoxy)methane	1700	250	2000	0	84.5	24	147				
Bis(2-chloroethyl)ether	1800	250	2000	0	88.8	28	148				
Bis(2-chloroisopropyl)ether	1700	250	2000	0	83.2	22	147				
Bis(2-ethylhexyl)phthalate	1800	250	2000	0	87.7	26	156				
Butyl benzyl phthalate	1800	250	2000	0	87.9	30	149				
Carbazole	ND	250		0	0	29	146				U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp



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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12675

Sample ID	LCS-12675	SampType:	LCS	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22470
Client ID:	LCSS	Batch ID:	12675	TestNo:	SW8270D	SW3546		Analysis Date:	2/17/2017	SeqNo:	411900
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chrysene	1800	250	2000	0	89.5	29	142				
Di-n-butyl phthalate	1800	250	2000	0	89.8	30	149				
Di-n-octyl phthalate	1700	500	2000	0	85.9	24	150				
Dibenzo(a,h)anthracene	1800	150	2000	0	92.4	29	145				
Dibenzofuran	1700	250	2000	0	85.9	30	145				
Diethyl phthalate	1800	250	2000	0	87.9	33	148				
Dimethyl phthalate	1800	250	2000	0	89.2	28	153				
Fluoranthene	1800	250	2000	0	89.8	27	144				
Fluorene	1800	250	2000	0	89.2	29	140				
Hexachlorobenzene	1700	250	2000	0	86.3	24	149				
Hexachlorobutadiene	1700	250	2000	0	83.5	25	138				
Hexachlorocyclopentadiene	1700	250	2000	0	86.5	13	147				
Hexachloroethane	1600	250	2000	0	80.3	22	140				
Indeno(1,2,3-c,d)pyrene	1900	250	2000	0	93.8	25	155				
Isophorone	1700	250	2000	0	83.0	24	145				
N-Nitrosodi-n-propylamine	1600	150	2000	0	81.7	17	148				
N-Nitrosodimethylamine	1500	250	2000	0	75.2	13	147				
N-Nitrosodiphenylamine	1700	250	2000	0	86.0	23	139				
Naphthalene	1700	250	2000	0	83.9	23	146				
Nitrobenzene	1600	250	2000	0	82.2	21	146				
Parathion	ND	500		0	0	22	154				U
Pentachlorophenol	1700	500	2000	0	86.9	6	140				
Phenanthrene	1800	250	2000	0	88.6	30	147				
Phenol	1700	250	2000	0	87.1	17	151				
Pyrene	1800	250	2000	0	87.8	27	149				
Pyridine	ND	250		0	0	18	108				U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp



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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12675

Sample ID	LCS-12675	SampType:	LCS	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22470
Client ID:	LCSS	Batch ID:	12675	TestNo:	SW8270D	SW3546		Analysis Date:	2/17/2017	SeqNo:	411900
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual
Surr: 2,4,6-Tribromophenol		1700			2000		84.8	11	144		
Surr: 2-Fluorobiphenyl		840			1000		83.8	17	137		
Surr: 2-Fluorophenol		1700			2000		86.3	13	131		
Surr: 4-Terphenyl-d14		860			1000		86.0	20	143		
Surr: Nitrobenzene-d5		810			1000		80.5	13	139		
Surr: Phenol-d6		1700			2000		85.2	12	135		

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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12675

Sample ID	LCS-12675	SampType:	LCS	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22469
Client ID:	LCSS	Batch ID:	12675	TestNo:	SW8270D	SW3546		Analysis Date:	2/17/2017	SeqNo:	411887
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual
3,3'-Dichlorobenzidine		1200		250	2000	0	62.1	15	129		
Atrazine		1900		250	2000	0	92.8	44	138		
Benzaldehyde		1600		500	2000	0	80.0	22	142		
Benzidine		200		500	2000	0	10.1	1	120		J
Caprolactam		1700		250	2000	0	85.7	29	133		

Sample ID	MB-12675	SampType:	MBLK	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22469
Client ID:	PBS	Batch ID:	12675	TestNo:	SW8270D	SW3546		Analysis Date:	2/17/2017	SeqNo:	411888
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual
3,3'-Dichlorobenzidine		ND		250							U
Atrazine		ND		250							U
Benzaldehyde		ND		500							U
Benzidine		ND		500							U
Caprolactam		ND		250							U

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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12675

Sample ID	LCS-12675	SampType:	LCS	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22468
Client ID:	LCSS	Batch ID:	12675	TestNo:	SW8270D	SW3546		Analysis Date:	2/17/2017	SeqNo:	411873
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biphenyl	1900	250	2000	0	94.1	37	135				
1,2,4-Trichlorobenzene	1600	250	2000	0	82.4	20	140				
1,2-Dichlorobenzene	1600	250	2000	0	81.3	26	134				
1,3-Dichlorobenzene	1600	250	2000	0	79.6	21	141				
1,4-Dichlorobenzene	1600	250	2000	0	77.6	24	143				
2,4,5-Trichlorophenol	ND	250		0	0	33	133				U
2,4,6-Trichlorophenol	1800	250	2000	0	89.6	28	146				
2,4-Dichlorophenol	1700	250	2000	0	83.9	27	142				
2,4-Dimethylphenol	1800	250	2000	0	88.8	15	138				
2,4-Dinitrophenol	1100	500	2000	0	57.2	1	144				
2,4-Dinitrotoluene	1700	250	2000	0	84.1	23	153				
2,6-Dinitrotoluene	1600	250	2000	0	81.0	27	140				
2-Chloronaphthalene	1900	250	2000	0	95.9	28	147				
2-Chlorophenol	1700	250	2000	0	85.5	23	144				
2-Methylnaphthalene	ND	250		0	0	24	134				U
2-Methylphenol	ND	250		0	0	23	143				U
2-Nitroaniline	ND	250		0	0	18	148				U
2-Nitrophenol	1700	250	2000	0	87.2	11	147				
3+4-Methylphenol	ND	250		0	0	16	137				U
3-Nitroaniline	ND	250		0	0	18	133				U
4,6-Dinitro-2-methylphenol	1400	500	2000	0	72.0	10	147				
4-Bromophenyl phenyl ether	1900	250	2000	0	94.2	33	137				
4-Chloro-3-methylphenol	1600	250	2000	0	81.8	27	143				
4-Chloroaniline	ND	250		0	0	10	112				U
4-Chlorophenyl phenyl ether	1700	250	2000	0	85.6	34	135				
4-Nitroaniline	ND	250		0	0	25	141				U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp



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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12675

Sample ID	LCS-12675	SampType:	LCS	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22468
Client ID:	LCSS	Batch ID:	12675	TestNo:	SW8270D	SW3546		Analysis Date:	2/17/2017	SeqNo:	411873
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Nitrophenol	1600	500	2000	0	78.4	9	150				
Acenaphthene	1800	250	2000	0	88.0	30	141				
Acenaphthylene	1900	250	2000	0	92.5	30	139				
Acetophenone	1600	250	2000	0	80.0	30	134				
Aniline	ND	250		0	0	10	100				U
Anthracene	1800	250	2000	0	87.8	32	141				
Azobenzene	1700	250	2000	0	87.2	42	120				
Benzo(a)anthracene	1800	250	2000	0	92.5	28	145				
Benzo(a)pyrene	1800	150	2000	0	89.3	25	144				
Benzo(b)fluoranthene	1900	250	2000	0	92.8	25	148				
Benzo(g,h,i)perylene	1900	250	2000	0	92.8	23	148				
Benzo(k)fluoranthene	1900	250	2000	0	94.2	27	144				
Benzoic acid	660	500	2000	0	33.2	1	149				
Benzyl alcohol	ND	250		0	0	21	141				U
Bis(2-chloroethoxy)methane	1700	250	2000	0	87.3	24	147				
Bis(2-chloroethyl)ether	1900	250	2000	0	93.4	28	148				
Bis(2-chloroisopropyl)ether	1700	250	2000	0	83.5	22	147				
Bis(2-ethylhexyl)phthalate	1800	250	2000	0	87.7	26	156				
Butyl benzyl phthalate	1800	250	2000	0	88.6	30	149				
Carbazole	ND	250		0	0	29	146				U
Chrysene	1800	250	2000	0	89.9	29	142				
Di-n-butyl phthalate	1700	250	2000	0	87.4	30	149				
Di-n-octyl phthalate	1700	500	2000	0	84.5	24	150				
Dibenzo(a,h)anthracene	1900	150	2000	0	94.8	29	145				
Dibenzofuran	1700	250	2000	0	86.0	30	145				
Diethyl phthalate	1800	250	2000	0	87.8	33	148				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp



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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12675

Sample ID	LCS-12675	SampType:	LCS	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22468
Client ID:	LCSS	Batch ID:	12675	TestNo:	SW8270D	SW3546		Analysis Date:	2/17/2017	SeqNo:	411873
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dimethyl phthalate	1800	250	2000	0	89.7	28	153				
Fluoranthene	1700	250	2000	0	86.8	27	144				
Fluorene	1800	250	2000	0	89.1	29	140				
Hexachlorobenzene	1800	250	2000	0	88.5	24	149				
Hexachlorobutadiene	1700	250	2000	0	83.9	25	138				
Hexachlorocyclopentadiene	2000	250	2000	0	100	13	147				
Hexachloroethane	1600	250	2000	0	78.5	22	140				
Indeno(1,2,3-c,d)pyrene	1900	250	2000	0	93.7	25	155				
Isophorone	1700	250	2000	0	84.9	24	145				
N-Nitrosodi-n-propylamine	1600	150	2000	0	81.4	17	148				
N-Nitrosodimethylamine	1500	250	2000	0	76.7	13	147				
N-Nitrosodiphenylamine	1800	250	2000	0	87.9	23	139				
Naphthalene	1700	250	2000	0	84.4	23	146				
Nitrobenzene	1700	250	2000	0	85.2	21	146				
Parathion	ND	500		0	0	22	154				U
Pentachlorophenol	1800	500	2000	0	89.2	6	140				
Phenanthrene	1800	250	2000	0	91.4	30	147				
Phenol	1600	250	2000	0	80.7	17	151				
Pyrene	1800	250	2000	0	92.1	27	149				
Pyridine	ND	250		0	0	18	108				U
Surr: 2,4,6-Tribromophenol	1600		2000		81.7	11	144				
Surr: 2-Fluorobiphenyl	880		1000		87.8	17	137				
Surr: 2-Fluorophenol	1700		2000		85.4	13	131				
Surr: 4-Terphenyl-d14	890		1000		89.3	20	143				
Surr: Nitrobenzene-d5	840		1000		84.0	13	139				
Surr: Phenol-d6	1600		2000		80.7	12	135				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp



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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12675

Sample ID	LCS-12675	SampType:	LCS	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22468
Client ID:	LCSS	Batch ID:	12675	TestNo:	SW8270D	SW3546		Analysis Date:	2/17/2017	SeqNo:	411873
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual

Sample ID	MB-12675	SampType:	MBLK	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22468
Client ID:	PBS	Batch ID:	12675	TestNo:	SW8270D	SW3546		Analysis Date:	2/17/2017	SeqNo:	411874
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual

Biphenyl	ND	250										U
1,2,4-Trichlorobenzene	ND	250										U
1,2-Dichlorobenzene	ND	250										U
1,3-Dichlorobenzene	ND	250										U
1,4-Dichlorobenzene	ND	250										U
2,4,5-Trichlorophenol	ND	250										U
2,4,6-Trichlorophenol	ND	250										U
2,4-Dichlorophenol	ND	250										U
2,4-Dimethylphenol	ND	250										U
2,4-Dinitrophenol	ND	500										U
2,4-Dinitrotoluene	ND	250										U
2,6-Dinitrotoluene	ND	250										U
2-Chloronaphthalene	ND	250										U
2-Chlorophenol	ND	250										U
2-Methylnaphthalene	ND	250										U
2-Methylphenol	ND	250										U
2-Nitroaniline	ND	250										U
2-Nitrophenol	ND	250										U
3+4-Methylphenol	ND	250										U
3-Nitroaniline	ND	250										U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

W Sample container temperature is out of limit as sp



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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12675

Sample ID	MB-12675	SampType:	MBLK	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22468	
Client ID:	PBS	Batch ID:	12675	TestNo:	SW8270D	SW3546		Analysis Date:	2/17/2017	SeqNo:	411874	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,6-Dinitro-2-methylphenol		ND	500									U
4-Bromophenyl phenyl ether		ND	250									U
4-Chloro-3-methylphenol		ND	250									U
4-Chloroaniline		ND	250									U
4-Chlorophenyl phenyl ether		ND	250									U
4-Nitroaniline		ND	250									U
4-Nitrophenol		ND	500									U
Acenaphthene		ND	250									U
Acenaphthylene		ND	250									U
Acetophenone		ND	250									U
Aniline		ND	250									U
Anthracene		ND	250									U
Azobenzene		ND	250									U
Benzo(a)anthracene		ND	250									U
Benzo(a)pyrene		ND	150									U
Benzo(b)fluoranthene		ND	250									U
Benzo(g,h,i)perylene		ND	250									U
Benzo(k)fluoranthene		ND	250									U
Benzoic acid		ND	500									U
Benzyl alcohol		ND	250									U
Bis(2-chloroethoxy)methane		ND	250									U
Bis(2-chloroethyl)ether		ND	250									U
Bis(2-chloroisopropyl)ether		ND	250									U
Bis(2-ethylhexyl)phthalate		ND	250									U
Butyl benzyl phthalate		ND	250									U
Carbazole		ND	250									U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

W Sample container temperature is out of limit as sp



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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12675

Sample ID	MB-12675	SampType:	MBLK	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22468
Client ID:	PBS	Batch ID:	12675	TestNo:	SW8270D	SW3546		Analysis Date:	2/17/2017	SeqNo:	411874
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chrysene	ND	250									U
Di-n-butyl phthalate	ND	250									U
Di-n-octyl phthalate	ND	500									U
Dibenzo(a,h)anthracene	ND	150									U
Dibenzofuran	ND	250									U
Diethyl phthalate	ND	250									U
Dimethyl phthalate	ND	250									U
Fluoranthene	ND	250									U
Fluorene	ND	250									U
Hexachlorobenzene	ND	250									U
Hexachlorobutadiene	ND	250									U
Hexachlorocyclopentadiene	ND	250									U
Hexachloroethane	ND	250									U
Indeno(1,2,3-c,d)pyrene	ND	250									U
Isophorone	ND	250									U
N-Nitrosodi-n-propylamine	ND	150									U
N-Nitrosodimethylamine	ND	250									U
N-Nitrosodiphenylamine	ND	250									U
Naphthalene	ND	250									U
Nitrobenzene	ND	250									U
Parathion	ND	500									U
Pentachlorophenol	ND	500									U
Phenanthrene	ND	250									U
Phenol	ND	250									U
Pyrene	ND	250									U
Pyridine	ND	250									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp



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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12675

Sample ID	MB-12675	SampType:	MBLK	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22468
Client ID:	PBS	Batch ID:	12675	TestNo:	SW8270D	SW3546		Analysis Date:	2/17/2017	SeqNo:	411874
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual
Surr: 2,4,6-Tribromophenol		1400			2000		71.2	11	144		
Surr: 2-Fluorobiphenyl		830			1000		82.9	17	137		
Surr: 2-Fluorophenol		1700			2000		87.5	13	131		
Surr: 4-Terphenyl-d14		940			1000		93.7	20	143		
Surr: Nitrobenzene-d5		840			1000		83.7	13	139		
Surr: Phenol-d6		1600			2000		81.7	12	135		

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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12678

Sample ID	LCS-12678	SampType:	LCS	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22545
Client ID:	LCSS	Batch ID:	12678	TestNo:	SW8260C		SW5035A	Analysis Date:	2/18/2017	SeqNo:	413094
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	39	5.0	50.00	0	77.1	40	137				
1,1,2,2-Tetrachloroethane	30	5.0	50.00	0	60.2	31	128				
1,1,2-Trichloroethane	40	5.0	50.00	0	79.0	36	137				
1,1-Dichloroethane	40	5.0	50.00	0	79.6	40	127				
1,1-Dichloroethene	41	5.0	50.00	0	82.6	35	142				
1,2-Dichlorobenzene	35	5.0	50.00	0	70.0	40	120				
1,2-Dichloroethane	41	5.0	50.00	0	81.5	31	135				
1,2-Dichloropropane	39	5.0	50.00	0	78.7	43	120				
1,3-Dichlorobenzene	36	5.0	50.00	0	71.6	35	122				
1,4-Dichlorobenzene	35	5.0	50.00	0	69.5	36	124				
2-Chloroethyl vinyl ether	38	5.0	50.00	0	76.2	20	140				
Benzene	42	5.0	50.00	0	84.9	46	132				
Bromodichloromethane	41	5.0	50.00	0	81.6	47	130				
Bromoform	35	5.0	50.00	0	70.6	34	133				
Bromomethane	43	5.0	50.00	0	86.7	10	131				
Carbon tetrachloride	40	5.0	50.00	0	79.4	41	136				
Chlorobenzene	39	5.0	50.00	0	77.5	45	125				
Chloroethane	53	5.0	50.00	0	107	42	131				
Chloroform	42	5.0	50.00	0	83.6	50	130				
Chloromethane	46	5.0	50.00	0	91.1	29	138				
cis-1,3-Dichloropropene	40	5.0	50.00	0	79.1	48	121				
Dibromochloromethane	41	5.0	50.00	0	82.7	44	124				
Ethylbenzene	40	5.0	50.00	0	80.3	46	120				
Methylene chloride	29	5.0	50.00	0	57.9	20	120				B
Tetrachloroethene	28	5.0	50.00	0	55.1	36	120				
Toluene	42	5.0	50.00	0	83.3	54	120				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp



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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12678

Sample ID	LCS-12678	SampType:	LCS	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22545
Client ID:	LCSS	Batch ID:	12678	TestNo:	SW8260C		SW5035A	Analysis Date:	2/18/2017	SeqNo:	413094
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	40	5.0	50.00	0	80.9	50	130				
trans-1,3-Dichloropropene	36	5.0	50.00	0	72.6	50	120				
Trichloroethene	41	5.0	50.00	0	82.3	45	120				
Trichlorofluoromethane	48	5.0	50.00	0	97.0	57	134				
Vinyl chloride	51	5.0	50.00	0	102	52	134				
Surr: 4-Bromofluorobenzene	52		50.00		105	46	137				
Surr: Dibromofluoromethane	54		50.00		109	45	140				
Surr: Toluene-d8	50		50.00		100	46	140				

Sample ID	MB-12678	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22545
Client ID:	PBS	Batch ID:	12678	TestNo:	SW8260C		SW5035A	Analysis Date:	2/18/2017	SeqNo:	413095
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									U
1,1,1-Trichloroethane	ND	5.0									U
1,1,2,2-Tetrachloroethane	ND	5.0									U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0									U
1,1,2-Trichloroethane	ND	5.0									U
1,1-Dichloroethane	ND	5.0									U
1,1-Dichloroethene	ND	5.0									U
1,1-Dichloropropene	ND	5.0									U
1,2,3-Trichlorobenzene	ND	5.0									U
1,2,3-Trichloropropane	ND	5.0									U
1,2,4,5-Tetramethylbenzene	ND	5.0									U
1,2,4-Trichlorobenzene	ND	5.0									U

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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12678

Sample ID	MB-12678	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22545
Client ID:	PBS	Batch ID:	12678	TestNo:	SW8260C	SW5035A		Analysis Date:	2/18/2017	SeqNo:	413095
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	5.0									U
1,2-Dibromo-3-chloropropane	ND	5.0									U
1,2-Dibromoethane	ND	5.0									U
1,2-Dichlorobenzene	ND	5.0									U
1,2-Dichloroethane	ND	5.0									U
1,2-Dichloropropane	ND	5.0									U
1,3,5-Trimethylbenzene	ND	5.0									U
1,3-Dichlorobenzene	ND	5.0									U
1,3-dichloropropane	ND	5.0									U
1,4-Dichlorobenzene	ND	5.0									U
1,4-Dioxane	ND	5.0									U
2,2-Dichloropropane	ND	5.0									U
2-Butanone	ND	10									U
2-Chloroethyl vinyl ether	ND	5.0									U
2-Chlorotoluene	ND	5.0									U
2-Hexanone	ND	10									U
2-Propanol	ND	5.0									U
4-Chlorotoluene	ND	5.0									U
4-Isopropyltoluene	ND	5.0									U
4-Methyl-2-pentanone	ND	10									U
Acetone	14	5.0									
Benzene	ND	5.0									U
Bromobenzene	ND	5.0									U
Bromochloromethane	ND	5.0									U
Bromodichloromethane	ND	5.0									U
Bromoform	ND	5.0									U

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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12678

Sample ID	MB-12678	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22545	
Client ID:	PBS	Batch ID:	12678	TestNo:	SW8260C	SW5035A		Analysis Date:	2/18/2017	SeqNo:	413095	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane		ND	5.0									U
Carbon disulfide		ND	5.0									U
Carbon tetrachloride		ND	5.0									U
Chlorobenzene		ND	5.0									U
Chlorodifluoromethane		ND	5.0									U
Chloroethane		ND	5.0									U
Chloroform		ND	5.0									U
Chloromethane		ND	5.0									U
cis-1,2-Dichloroethene		ND	5.0									U
cis-1,3-Dichloropropene		ND	5.0									U
Cyclohexane		ND	5.0									U
Dibromochloromethane		ND	5.0									U
Dibromomethane		ND	5.0									U
Dichlorodifluoromethane		ND	5.0									U
Diisopropyl ether		ND	5.0									U
Ethanol		ND	20									U
Ethylbenzene		ND	5.0									U
Freon-114		ND	5.0									U
Hexachlorobutadiene		ND	5.0									U
Isopropylbenzene		ND	5.0									U
m,p-Xylene		ND	10									U
Methyl Acetate		ND	5.0									U
Methyl tert-butyl ether		ND	5.0									U
Methylene chloride		5.2	5.0									
n-Butylbenzene		ND	5.0									U
n-Propylbenzene		ND	5.0									U

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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12678

Sample ID	MB-12678	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22545
Client ID:	PBS	Batch ID:	12678	TestNo:	SW8260C	SW5035A		Analysis Date:	2/18/2017	SeqNo:	413095
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	5.0									U
o-Xylene	ND	5.0									U
p-Diethylbenzene	ND	5.0									U
p-Ethyltoluene	ND	5.0									U
sec-Butylbenzene	ND	5.0									U
Styrene	ND	5.0									U
t-Butyl alcohol	ND	5.0									U
tert-Butylbenzene	ND	5.0									U
Tetrachloroethene	ND	5.0									U
Toluene	ND	5.0									U
trans-1,2-Dichloroethene	ND	5.0									U
trans-1,3-Dichloropropene	ND	5.0									U
Trichloroethene	ND	5.0									U
Trichlorofluoromethane	ND	5.0									U
Vinyl acetate	ND	5.0									U
Vinyl chloride	ND	5.0									U
Xylenes, Total	ND	10									U
Acrolein	ND	25									U
Acrylonitrile	ND	5.0									U
Surr: 4-Bromofluorobenzene	51		50.00		102	46	137				
Surr: Dibromofluoromethane	54		50.00		107	45	140				
Surr: Toluene-d8	50		50.00		99.9	46	140				

Qualifiers: R RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12678

Sample ID	LCS-12678	SampType:	LCS	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22538
Client ID:	LCSS	Batch ID:	12678	TestNo:	SW8260C	SW5035A		Analysis Date:	2/18/2017	SeqNo:	413022
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	39	5.0	50.00	0	77.1	40	137				
1,1,2,2-Tetrachloroethane	30	5.0	50.00	0	60.2	31	128				
1,1,2-Trichloroethane	40	5.0	50.00	0	79.0	36	137				
1,1-Dichloroethane	40	5.0	50.00	0	79.6	40	127				
1,1-Dichloroethene	41	5.0	50.00	0	82.6	35	142				
1,2-Dichlorobenzene	35	5.0	50.00	0	70.0	40	120				
1,2-Dichloroethane	41	5.0	50.00	0	81.5	31	135				
1,2-Dichloropropane	39	5.0	50.00	0	78.7	43	120				
1,3-Dichlorobenzene	36	5.0	50.00	0	71.6	35	122				
1,4-Dichlorobenzene	35	5.0	50.00	0	69.5	36	124				
2-Chloroethyl vinyl ether	38	5.0	50.00	0	76.2	20	140				
Benzene	42	5.0	50.00	0	84.9	46	132				
Bromodichloromethane	41	5.0	50.00	0	81.6	47	130				
Bromoform	35	5.0	50.00	0	70.6	34	133				
Bromomethane	43	5.0	50.00	0	86.7	10	131				
Carbon tetrachloride	40	5.0	50.00	0	79.4	41	136				
Chlorobenzene	39	5.0	50.00	0	77.5	45	125				
Chloroethane	53	5.0	50.00	0	107	42	131				
Chloroform	42	5.0	50.00	0	83.6	50	130				
Chloromethane	46	5.0	50.00	0	91.1	29	138				
cis-1,3-Dichloropropene	40	5.0	50.00	0	79.1	48	121				
Dibromochloromethane	41	5.0	50.00	0	82.7	44	124				
Ethylbenzene	40	5.0	50.00	0	80.3	46	120				
Methylene chloride	29	5.0	50.00	0	57.9	20	120				B
Tetrachloroethene	28	5.0	50.00	0	55.1	36	120				
Toluene	42	5.0	50.00	0	83.3	54	120				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp



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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12678

Sample ID	LCS-12678	SampType:	LCS	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22538
Client ID:	LCSS	Batch ID:	12678	TestNo:	SW8260C		SW5035A	Analysis Date:	2/18/2017	SeqNo:	413022
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	40	5.0	50.00	0	80.9	50	130				
trans-1,3-Dichloropropene	36	5.0	50.00	0	72.6	50	120				
Trichloroethene	41	5.0	50.00	0	82.3	45	120				
Trichlorofluoromethane	48	5.0	50.00	0	97.0	57	134				
Vinyl chloride	51	5.0	50.00	0	102	52	134				
Surr: 4-Bromofluorobenzene	52		50.00		105	46	137				
Surr: Dibromofluoromethane	54		50.00		109	45	140				
Surr: Toluene-d8	50		50.00		100	46	140				

Sample ID	MB-12678	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22538
Client ID:	PBS	Batch ID:	12678	TestNo:	SW8260C		SW5035A	Analysis Date:	2/18/2017	SeqNo:	413023
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									U
1,1,1-Trichloroethane	ND	5.0									U
1,1,2,2-Tetrachloroethane	ND	5.0									U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0									U
1,1,2-Trichloroethane	ND	5.0									U
1,1-Dichloroethane	ND	5.0									U
1,1-Dichloroethene	ND	5.0									U
1,1-Dichloropropene	ND	5.0									U
1,2,3-Trichlorobenzene	ND	5.0									U
1,2,3-Trichloropropane	ND	5.0									U
1,2,4,5-Tetramethylbenzene	ND	5.0									U
1,2,4-Trichlorobenzene	ND	5.0									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp



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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12678

Sample ID	MB-12678	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22538
Client ID:	PBS	Batch ID:	12678	TestNo:	SW8260C	SW5035A		Analysis Date:	2/18/2017	SeqNo:	413023
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	5.0									U
1,2-Dibromo-3-chloropropane	ND	5.0									U
1,2-Dibromoethane	ND	5.0									U
1,2-Dichlorobenzene	ND	5.0									U
1,2-Dichloroethane	ND	5.0									U
1,2-Dichloropropane	ND	5.0									U
1,3,5-Trimethylbenzene	ND	5.0									U
1,3-Dichlorobenzene	ND	5.0									U
1,3-dichloropropane	ND	5.0									U
1,4-Dichlorobenzene	ND	5.0									U
1,4-Dioxane	ND	5.0									U
2,2-Dichloropropane	ND	5.0									U
2-Butanone	ND	10									U
2-Chloroethyl vinyl ether	ND	5.0									U
2-Chlorotoluene	ND	5.0									U
2-Hexanone	ND	10									U
2-Propanol	ND	5.0									U
4-Chlorotoluene	ND	5.0									U
4-Isopropyltoluene	ND	5.0									U
4-Methyl-2-pentanone	ND	10									U
Acetone	14	5.0									
Benzene	ND	5.0									U
Bromobenzene	ND	5.0									U
Bromochloromethane	ND	5.0									U
Bromodichloromethane	ND	5.0									U
Bromoform	ND	5.0									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp



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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12678

Sample ID	MB-12678	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22538
Client ID:	PBS	Batch ID:	12678	TestNo:	SW8260C	SW5035A		Analysis Date:	2/18/2017	SeqNo:	413023
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	ND	5.0									U
Carbon disulfide	ND	5.0									U
Carbon tetrachloride	ND	5.0									U
Chlorobenzene	ND	5.0									U
Chlorodifluoromethane	ND	5.0									U
Chloroethane	ND	5.0									U
Chloroform	ND	5.0									U
Chloromethane	ND	5.0									U
cis-1,2-Dichloroethene	ND	5.0									U
cis-1,3-Dichloropropene	ND	5.0									U
Cyclohexane	ND	5.0									U
Dibromochloromethane	ND	5.0									U
Dibromomethane	ND	5.0									U
Dichlorodifluoromethane	ND	5.0									U
Diisopropyl ether	ND	5.0									U
Ethanol	ND	20									U
Ethylbenzene	ND	5.0									U
Freon-114	ND	5.0									U
Hexachlorobutadiene	ND	5.0									U
Isopropylbenzene	ND	5.0									U
m,p-Xylene	ND	10									U
Methyl Acetate	ND	5.0									U
Methyl tert-butyl ether	ND	5.0									U
Methylene chloride	5.2	5.0									
n-Butylbenzene	ND	5.0									U
n-Propylbenzene	ND	5.0									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp



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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12678

Sample ID	MB-12678	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	2/17/2017	RunNo:	22538
Client ID:	PBS	Batch ID:	12678	TestNo:	SW8260C	SW5035A		Analysis Date:	2/18/2017	SeqNo:	413023
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	5.0									U
o-Xylene	ND	5.0									U
p-Diethylbenzene	ND	5.0									U
p-Ethyltoluene	ND	5.0									U
sec-Butylbenzene	ND	5.0									U
Styrene	ND	5.0									U
t-Butyl alcohol	ND	5.0									U
tert-Butylbenzene	ND	5.0									U
Tetrachloroethene	ND	5.0									U
Toluene	ND	5.0									U
trans-1,2-Dichloroethene	ND	5.0									U
trans-1,3-Dichloropropene	ND	5.0									U
Trichloroethene	ND	5.0									U
Trichlorofluoromethane	ND	5.0									U
Vinyl acetate	ND	5.0									U
Vinyl chloride	ND	5.0									U
Xylenes, Total	ND	10									U
Acrolein	ND	25									U
Acrylonitrile	ND	5.0									U
Surr: 4-Bromofluorobenzene	51		50.00		102	46	137				
Surr: Dibromofluoromethane	54		50.00		107	45	140				
Surr: Toluene-d8	50		50.00		99.9	46	140				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

W Sample container temperature is out of limit as sp



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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12680

Sample ID	MBS021717A	SampType: MBLK	TestCode: ICPSCAN_S	Units: mg/Kg	Prep Date: 2/17/2017	RunNo: 22467					
Client ID: PBS	Batch ID: 12680	TestNo: SW6010C	SW3050B	Analysis Date: 2/17/2017	SeqNo: 411840						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.400									U
Antimony	ND	0.500									U
Arsenic	ND	0.500									U
Barium	ND	0.400									U
Beryllium	ND	0.400									U
Cadmium	ND	0.400									U
Calcium	ND	0.500									U
Chromium	ND	0.400									U
Cobalt	ND	0.400									U
Copper	ND	0.400									U
Iron	ND	0.400									U
Lead	ND	0.400									U
Magnesium	ND	0.400									U
Manganese	ND	0.400									U
Nickel	ND	0.400									U
Potassium	ND	0.500									U
Selenium	ND	0.500									U
Silver	ND	0.400									U
Sodium	ND	0.500									U
Thallium	ND	0.500									U
Vanadium	ND	0.400									U
Zinc	ND	0.400									U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

W Sample container temperature is out of limit as sp



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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12680

Sample ID	LCSS021717A	SampType: LCS	TestCode: ICPSCAN_S	Units: mg/Kg	Prep Date: 2/17/2017	RunNo: 22467					
Client ID: LCSS	Batch ID: 12680	TestNo: SW6010C	SW3050B	Analysis Date: 2/17/2017	SeqNo: 411841						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	38.2	0.400	40.00	0	95.5	80	120				
Antimony	38.9	0.500	40.00	0	97.1	80	120				
Arsenic	39.0	0.500	40.00	0	97.6	80	120				
Barium	37.9	0.400	40.00	0	94.7	80	120				
Beryllium	39.2	0.400	40.00	0	98.0	80	120				
Cadmium	38.9	0.400	40.00	0	97.2	80	120				
Calcium	38.6	0.500	40.00	0	96.5	80	120				
Chromium	38.8	0.400	40.00	0	97.1	80	120				
Cobalt	38.7	0.400	40.00	0	96.7	80	120				
Copper	38.5	0.400	40.00	0	96.3	80	120				
Iron	38.7	0.400	40.00	0	96.6	80	120				
Lead	38.8	0.400	40.00	0	96.9	80	120				
Magnesium	38.9	0.400	40.00	0	97.2	80	120				
Manganese	38.2	0.400	40.00	0	95.5	80	120				
Nickel	39.0	0.400	40.00	0	97.4	80	120				
Potassium	385	0.500	400.0	0	96.3	80	120				
Selenium	39.2	0.500	40.00	0	98.1	80	120				
Silver	38.4	0.400	40.00	0	96.1	80	120				
Sodium	38.9	0.500	40.00	0	97.4	80	120				
Thallium	38.2	0.500	40.00	0	95.5	80	120				
Vanadium	38.5	0.400	40.00	0	96.3	80	120				
Zinc	39.0	0.400	40.00	0	97.6	80	120				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp



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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12682

Sample ID	MBS021717A	SampType:	MBLK	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	2/17/2017	RunNo:	22472
Client ID:	PBS	Batch ID:	12682	TestNo:	SW7471B	SW7471B		Analysis Date:	2/17/2017	SeqNo:	411927
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual
Mercury		ND		0.0150							U

Sample ID	LCSS021717A	SampType:	LCS	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	2/17/2017	RunNo:	22472
Client ID:	LCSS	Batch ID:	12682	TestNo:	SW7471B	SW7471B		Analysis Date:	2/17/2017	SeqNo:	411928
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual
Mercury		0.207		0.0150	0.2000	0	104	80	120		

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp



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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12706

Sample ID	LCS-12706	SampType: LCS	TestCode: 8260_S	Units: µg/Kg	Prep Date: 2/21/2017	RunNo: 22546					
Client ID: LCSS	Batch ID: 12706	TestNo: SW8260C	SW5035A	Analysis Date: 2/21/2017	SeqNo: 413103						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	200	25	250.0	0	80.3	40	137				D
1,1,2,2-Tetrachloroethane	170	25	250.0	0	69.4	31	128				D
1,1,2-Trichloroethane	190	25	250.0	0	74.9	36	137				D
1,1-Dichloroethane	190	25	250.0	0	77.9	40	127				D
1,1-Dichloroethene	220	25	250.0	0	86.0	35	142				D
1,2-Dichlorobenzene	180	25	250.0	0	72.6	40	120				D
1,2-Dichloroethane	190	25	250.0	0	76.1	31	135				D
1,2-Dichloropropane	190	25	250.0	0	77.0	43	120				D
1,3-Dichlorobenzene	190	25	250.0	0	75.2	35	122				D
1,4-Dichlorobenzene	190	25	250.0	0	74.9	36	124				D
2-Chloroethyl vinyl ether	180	25	250.0	0	72.2	20	140				D
Benzene	210	25	250.0	0	82.9	46	132				D
Bromodichloromethane	200	25	250.0	0	78.5	47	130				D
Bromoform	190	25	250.0	0	74.5	34	133				D
Bromomethane	190	25	250.0	0	77.3	10	131				D
Carbon tetrachloride	200	25	250.0	0	81.9	41	136				D
Chlorobenzene	200	25	250.0	0	79.5	45	125				D
Chloroethane	240	25	250.0	0	94.0	42	131				D
Chloroform	190	25	250.0	0	77.9	50	130				D
Chloromethane	220	25	250.0	0	87.6	29	138				D
cis-1,3-Dichloropropene	190	25	250.0	0	75.9	48	121				D
Dibromochloromethane	190	25	250.0	0	76.2	44	124				D
Ethylbenzene	220	25	250.0	0	88.3	46	120				D
Methylene chloride	150	25	250.0	0	61.6	20	120				BD
Tetrachloroethene	150	25	250.0	0	62.0	36	120				D
Toluene	220	25	250.0	0	87.2	54	120				D

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp



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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12706

Sample ID	LCS-12706	SampType:	LCS	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	2/21/2017	RunNo:	22546
Client ID:	LCSS	Batch ID:	12706	TestNo:	SW8260C	SW5035A		Analysis Date:	2/21/2017	SeqNo:	413103
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	200	25	250.0	0	82.0	50	130				D
trans-1,3-Dichloropropene	170	25	250.0	0	69.9	50	120				D
Trichloroethene	200	25	250.0	0	81.9	45	120				D
Trichlorofluoromethane	240	25	250.0	0	96.9	57	134				D
Vinyl chloride	250	25	250.0	0	101	52	134				D
Surr: 4-Bromofluorobenzene	250		250.0		99.0	46	137				D
Surr: Dibromofluoromethane	250		250.0		98.8	45	140				D
Surr: Toluene-d8	250		250.0		101	46	140				D

Sample ID	MB-12706	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	2/21/2017	RunNo:	22546
Client ID:	PBS	Batch ID:	12706	TestNo:	SW8260C	SW5035A		Analysis Date:	2/21/2017	SeqNo:	413104
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	25									DU
1,1,1-Trichloroethane	ND	25									DU
1,1,2,2-Tetrachloroethane	ND	25									DU
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	25									DU
1,1,2-Trichloroethane	ND	25									DU
1,1-Dichloroethane	ND	25									DU
1,1-Dichloroethene	ND	25									DU
1,1-Dichloropropene	ND	25									DU
1,2,3-Trichlorobenzene	ND	25									DU
1,2,3-Trichloropropane	ND	25									DU
1,2,4,5-Tetramethylbenzene	ND	25									DU
1,2,4-Trichlorobenzene	ND	25									DU

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

W Sample container temperature is out of limit as sp



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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12706

Sample ID	MB-12706	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	2/21/2017	RunNo:	22546
Client ID:	PBS	Batch ID:	12706	TestNo:	SW8260C	SW5035A		Analysis Date:	2/21/2017	SeqNo:	413104
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	25									DU
1,2-Dibromo-3-chloropropane	ND	25									DU
1,2-Dibromoethane	ND	25									DU
1,2-Dichlorobenzene	ND	25									DU
1,2-Dichloroethane	ND	25									DU
1,2-Dichloropropane	ND	25									DU
1,3,5-Trimethylbenzene	ND	25									DU
1,3-Dichlorobenzene	ND	25									DU
1,3-dichloropropane	ND	25									DU
1,4-Dichlorobenzene	ND	25									DU
1,4-Dioxane	ND	25									DU
2,2-Dichloropropane	ND	25									DU
2-Butanone	ND	50									DU
2-Chloroethyl vinyl ether	ND	25									DU
2-Chlorotoluene	ND	25									DU
2-Hexanone	ND	50									DU
2-Propanol	ND	25									DU
4-Chlorotoluene	ND	25									DU
4-Isopropyltoluene	ND	25									DU
4-Methyl-2-pentanone	ND	50									DU
Acetone	25	25									D
Benzene	ND	25									DU
Bromobenzene	ND	25									DU
Bromochloromethane	ND	25									DU
Bromodichloromethane	ND	25									DU
Bromoform	ND	25									DU

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

W Sample container temperature is out of limit as sp



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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12706

Sample ID	MB-12706	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	2/21/2017	RunNo:	22546	
Client ID:	PBS	Batch ID:	12706	TestNo:	SW8260C	SW5035A		Analysis Date:	2/21/2017	SeqNo:	413104	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane		ND	25									DU
Carbon disulfide		ND	25									DU
Carbon tetrachloride		ND	25									DU
Chlorobenzene		ND	25									DU
Chlorodifluoromethane		ND	25									DU
Chloroethane		ND	25									DU
Chloroform		ND	25									DU
Chloromethane		ND	25									DU
cis-1,2-Dichloroethene		ND	25									DU
cis-1,3-Dichloropropene		ND	25									DU
Cyclohexane		ND	25									DU
Dibromochloromethane		ND	25									DU
Dibromomethane		ND	25									DU
Dichlorodifluoromethane		ND	25									DU
Diisopropyl ether		ND	25									DU
Ethanol		ND	100									DU
Ethylbenzene		ND	25									DU
Freon-114		ND	25									DU
Hexachlorobutadiene		ND	25									DU
Isopropylbenzene		ND	25									DU
m,p-Xylene		ND	50									DU
Methyl Acetate		ND	25									DU
Methyl tert-butyl ether		ND	25									DU
Methylene chloride		19	25									DJ
n-Butylbenzene		ND	25									DU
n-Propylbenzene		ND	25									DU

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

W Sample container temperature is out of limit as sp



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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12706

Sample ID	MB-12706	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	2/21/2017	RunNo:	22546
Client ID:	PBS	Batch ID:	12706	TestNo:	SW8260C	SW5035A		Analysis Date:	2/21/2017	SeqNo:	413104
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	25									DU
o-Xylene	ND	25									DU
p-Diethylbenzene	ND	25									DU
p-Ethyltoluene	ND	25									DU
sec-Butylbenzene	ND	25									DU
Styrene	ND	25									DU
t-Butyl alcohol	ND	25									DU
tert-Butylbenzene	ND	25									DU
Tetrachloroethene	ND	25									DU
Toluene	ND	25									DU
trans-1,2-Dichloroethene	ND	25									DU
trans-1,3-Dichloropropene	ND	25									DU
Trichloroethene	ND	25									DU
Trichlorofluoromethane	ND	25									DU
Vinyl acetate	ND	25									DU
Vinyl chloride	ND	25									DU
Xylenes, Total	ND	50									DU
Acrolein	ND	130									DU
Acrylonitrile	ND	25									DU
Surr: 4-Bromofluorobenzene	250		250.0		100	46	137				D
Surr: Dibromofluoromethane	250		250.0		99.1	45	140				D
Surr: Toluene-d8	250		250.0		98.7	46	140				D

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

W Sample container temperature is out of limit as sp



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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12706

Sample ID	LCS-12706	SampType:	LCS	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	2/21/2017	RunNo:	22539
Client ID:	LCSS	Batch ID:	12706	TestNo:	SW8260C		SW5035A	Analysis Date:	2/21/2017	SeqNo:	413028
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	200	25	250.0	0	80.3	40	137				D
1,1,2,2-Tetrachloroethane	170	25	250.0	0	69.4	31	128				D
1,1,2-Trichloroethane	190	25	250.0	0	74.9	36	137				D
1,1-Dichloroethane	190	25	250.0	0	77.9	40	127				D
1,1-Dichloroethene	220	25	250.0	0	86.0	35	142				D
1,2-Dichlorobenzene	180	25	250.0	0	72.6	40	120				D
1,2-Dichloroethane	190	25	250.0	0	76.1	31	135				D
1,2-Dichloropropane	190	25	250.0	0	77.0	43	120				D
1,3-Dichlorobenzene	190	25	250.0	0	75.2	35	122				D
1,4-Dichlorobenzene	190	25	250.0	0	74.9	36	124				D
2-Chloroethyl vinyl ether	180	25	250.0	0	72.2	20	140				D
Benzene	210	25	250.0	0	82.9	46	132				D
Bromodichloromethane	200	25	250.0	0	78.5	47	130				D
Bromoform	190	25	250.0	0	74.5	34	133				D
Bromomethane	190	25	250.0	0	77.3	10	131				D
Carbon tetrachloride	200	25	250.0	0	81.9	41	136				D
Chlorobenzene	200	25	250.0	0	79.5	45	125				D
Chloroethane	240	25	250.0	0	94.0	42	131				D
Chloroform	190	25	250.0	0	77.9	50	130				D
Chloromethane	220	25	250.0	0	87.6	29	138				D
cis-1,3-Dichloropropene	190	25	250.0	0	75.9	48	121				D
Dibromochloromethane	190	25	250.0	0	76.2	44	124				D
Ethylbenzene	220	25	250.0	0	88.3	46	120				D
Methylene chloride	150	25	250.0	0	61.6	20	120				BD
Tetrachloroethene	150	25	250.0	0	62.0	36	120				D
Toluene	220	25	250.0	0	87.2	54	120				D

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp



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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12706

Sample ID	LCS-12706	SampType:	LCS	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	2/21/2017	RunNo:	22539	
Client ID:	LCSS	Batch ID:	12706	TestNo:	SW8260C	SW5035A		Analysis Date:	2/21/2017	SeqNo:	413028	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene		200	25	250.0	0	82.0	50	130				D
trans-1,3-Dichloropropene		170	25	250.0	0	69.9	50	120				D
Trichloroethene		200	25	250.0	0	81.9	45	120				D
Trichlorofluoromethane		240	25	250.0	0	96.9	57	134				D
Vinyl chloride		250	25	250.0	0	101	52	134				D
Surr: 4-Bromofluorobenzene		250		250.0		99.0	46	137				D
Surr: Dibromofluoromethane		250		250.0		98.8	45	140				D
Surr: Toluene-d8		250		250.0		101	46	140				D

Sample ID	MB-12706	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	2/21/2017	RunNo:	22539		
Client ID:	PBS	Batch ID:	12706	TestNo:	SW8260C	SW5035A		Analysis Date:	2/21/2017	SeqNo:	413029		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		ND		25									DU
1,1,1-Trichloroethane		ND		25									DU
1,1,2,2-Tetrachloroethane		ND		25									DU
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		25									DU
1,1,2-Trichloroethane		ND		25									DU
1,1-Dichloroethane		ND		25									DU
1,1-Dichloroethene		ND		25									DU
1,1-Dichloropropene		ND		25									DU
1,2,3-Trichlorobenzene		ND		25									DU
1,2,3-Trichloropropane		ND		25									DU
1,2,4,5-Tetramethylbenzene		ND		25									DU
1,2,4-Trichlorobenzene		ND		25									DU

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12706

Sample ID	MB-12706	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	2/21/2017	RunNo:	22539
Client ID:	PBS	Batch ID:	12706	TestNo:	SW8260C	SW5035A		Analysis Date:	2/21/2017	SeqNo:	413029
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	25									DU
1,2-Dibromo-3-chloropropane	ND	25									DU
1,2-Dibromoethane	ND	25									DU
1,2-Dichlorobenzene	ND	25									DU
1,2-Dichloroethane	ND	25									DU
1,2-Dichloropropane	ND	25									DU
1,3,5-Trimethylbenzene	ND	25									DU
1,3-Dichlorobenzene	ND	25									DU
1,3-dichloropropane	ND	25									DU
1,4-Dichlorobenzene	ND	25									DU
1,4-Dioxane	ND	25									DU
2,2-Dichloropropane	ND	25									DU
2-Butanone	ND	50									DU
2-Chloroethyl vinyl ether	ND	25									DU
2-Chlorotoluene	ND	25									DU
2-Hexanone	ND	50									DU
2-Propanol	ND	25									DU
4-Chlorotoluene	ND	25									DU
4-Isopropyltoluene	ND	25									DU
4-Methyl-2-pentanone	ND	50									DU
Acetone	25	25									D
Benzene	ND	25									DU
Bromobenzene	ND	25									DU
Bromochloromethane	ND	25									DU
Bromodichloromethane	ND	25									DU
Bromoform	ND	25									DU

Qualifiers: R RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12706

Sample ID	MB-12706	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	2/21/2017	RunNo:	22539
Client ID:	PBS	Batch ID:	12706	TestNo:	SW8260C	SW5035A		Analysis Date:	2/21/2017	SeqNo:	413029
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	ND	25									DU
Carbon disulfide	ND	25									DU
Carbon tetrachloride	ND	25									DU
Chlorobenzene	ND	25									DU
Chlorodifluoromethane	ND	25									DU
Chloroethane	ND	25									DU
Chloroform	ND	25									DU
Chloromethane	ND	25									DU
cis-1,2-Dichloroethene	ND	25									DU
cis-1,3-Dichloropropene	ND	25									DU
Cyclohexane	ND	25									DU
Dibromochloromethane	ND	25									DU
Dibromomethane	ND	25									DU
Dichlorodifluoromethane	ND	25									DU
Diisopropyl ether	ND	25									DU
Ethanol	ND	100									DU
Ethylbenzene	ND	25									DU
Freon-114	ND	25									DU
Hexachlorobutadiene	ND	25									DU
Isopropylbenzene	ND	25									DU
m,p-Xylene	ND	50									DU
Methyl Acetate	ND	25									DU
Methyl tert-butyl ether	ND	25									DU
Methylene chloride	19	25									DJ
n-Butylbenzene	ND	25									DU
n-Propylbenzene	ND	25									DU

Qualifiers: R RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: 12706

Sample ID	MB-12706	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	2/21/2017	RunNo:	22539
Client ID:	PBS	Batch ID:	12706	TestNo:	SW8260C	SW5035A		Analysis Date:	2/21/2017	SeqNo:	413029
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	25									DU
o-Xylene	ND	25									DU
p-Diethylbenzene	ND	25									DU
p-Ethyltoluene	ND	25									DU
sec-Butylbenzene	ND	25									DU
Styrene	ND	25									DU
t-Butyl alcohol	ND	25									DU
tert-Butylbenzene	ND	25									DU
Tetrachloroethene	ND	25									DU
Toluene	ND	25									DU
trans-1,2-Dichloroethene	ND	25									DU
trans-1,3-Dichloropropene	ND	25									DU
Trichloroethene	ND	25									DU
Trichlorofluoromethane	ND	25									DU
Vinyl acetate	ND	25									DU
Vinyl chloride	ND	25									DU
Xylenes, Total	ND	50									DU
Acrolein	ND	130									DU
Acrylonitrile	ND	25									DU
Surr: 4-Bromofluorobenzene	250		250.0		100	46	137				D
Surr: Dibromofluoromethane	250		250.0		99.1	45	140				D
Surr: Toluene-d8	250		250.0		98.7	46	140				D

Qualifiers: R RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: 1702104

23-Feb-17

Client: ZEB Environmental
Project: 17 Clay Street, Brooklyn, NY

BatchID: R22210

Sample ID	LOD A#830 1PPB S	SampType: LOD	TestCode: 8082_S		Units: µg/Kg	Prep Date:			RunNo: 22210		
Client ID:	BatchQC	Batch ID: R22210	TestNo: SW8082A			Analysis Date: 2/8/2017			SeqNo: 407271		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	20	1.000	0	0	26	146				SU
Aroclor 1221	ND	20		0	0	30	140				U
Aroclor 1232	ND	20		0	0						U
Aroclor 1242	ND	20		0	0						U
Aroclor 1248	ND	20		0	0						U
Aroclor 1254	ND	20		0	0						U
Aroclor 1260	ND	20	1.000	0	0	20	149				SU
Aroclor 1262	ND	20		0	0						U
Aroclor 1268	ND	20		0	0						U
Surr: DCB	46		50.00		93.0	11	146				
Surr: TCX	46		50.00		92.1	11	147				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp