JADE ENVIRONMENTAL, INC. dave@jadeenv.com
59 Circle Dr., Suite 100, Hopewell Junction, New York 12533 (845) 724-7010 tel. (845) 704-1376e fax

March 6, 2015

Mr. Josh Schwartz
161 West 61st Street, #9A --Transmitted Electronically--
New York, NY 10023

Re: Phase II Environmental Site Assessment
4377 Bronx Boulevard, Bronx, New York 10466

Dear Mr. Schwartz:

Jade Environmental, Inc. (Jade) is pleased to provide the following "*Phase II Environmental Site Assessment"* report, documenting the findings of our recently completed subsurface investigation of the above referenced former industrial property in the Wakefield section of the Bronx.

As previously determined by our Phase I assessment, this property was improved with the existing factory building circa 1915 on previously undeveloped land. Prior to its conversion to multi-tenant commercial use, the property has been occupied by various manufacturing operations; however, none of the confirmed former tenants is suspected of being a significant source of on-site soil or groundwater contamination. However, our Phase I ESA did identify a number of *Recognized Environmental Conditions* warranting additional investigation, as detailed herein.

As you are aware, our investigation was limited to the testing approved by the current property owner. Jade was not permitted to advance the subsurface borings that would be required to thoroughly and satisfactorily assess the possible impact to the property from the known release at the adjacent Hess gasoline station. Additionally, it should be understood that the findings and subsequent conclusions and recommendations provided herein are exclusively for your use as the client specified on the report cover, as well as your partners and lenders. No other individual or entity may rely on the data contained herein for any purpose.

As always, it has been a pleasure working with you in the completion of this investigation. If you should have any questions or comments regarding this Project or any other environmental matter, please do not hesitate to call.

Sincerely

Jade Environmental, Inc.

Dave Pelletier, P.E.
GeoEnvironmental Engineer

Enc.

PHASE II ENVIRONMENTAL SITE ASSESSMENT

4377 BRONX BOULEVARD
BRONX, NEW YORK 10466

Prepared for:

Mr. Joshua Schwartz
161 West 61st Street, #9A
New York, NY 10023

Prepared by:

Jade Environmental, Inc.
Hopewell Junction, NY 12533

March 6, 2015

Project Background

The investigation detailed herein was designed to further assess the following Recognized Environmental Concerns, as identified in our recently completed Phase I Environmental Site Assessment dated January 14, 2015:

1. Fire insurance maps indicated a buried gasoline tank was located in the southwest corner of the property. During our inspection a petroleum tank fill port was identified near the depicted tank.

2. A comparison of topographic maps with site conditions indicated that the southwest corner of the property had historically been graded with fill material from an undocumented source. ASTM recognizes unknown fill as a concern that could pose a liability worthy of further investigation.

3. Two up gradient properties were identified as petroleum bulk storage facilities; a Hess filling station, and the former Garretts Garage.

    a) The Hess station is a known contaminated site with an open NYSDEC Leaking Tanks case, and is currently subject to ongoing active remediation. Monitoring wells observed on the northeast side of the Subject property, and discovered to have been installed by Hess's environmental consultants, indicated that the spill may be flowing with groundwater under the on-site structure, potentially resulting in a vapor intrusion condition worthy of further investigation.

    b) No regulatory files exist for Garretts Garage, and Jade suspects that the gasoline storage associated with this property was closed before a regulatory structure was in place to ensure the system was managed and closed properly. Consequently, a possibility exists that the tanks remain in place, and therefore represent an additional contamination source and vapor intrusion risk for the Subject property.

Assessment Activities and Results

File Review

Prior to commencing any field activities at the Subject property, Jade conducted an extensive file review of the NYSDEC records regarding the history of assessment and remediation at the Hess filling station. The file review indicated that a significant groundwater contamination plume originating at Hess is flowing northwest with groundwater towards the Bronx River, and confirmed that at least a portion of the plume is located under the northeast corner of the Subject Property. This information supported our Phase I recommendation to investigate the potential impact to the Subject property from this adjacent release.

Geophysical Survey

Jade initiated the investigation of the suspected underground gasoline storage tank by reviewing a brief report and photographs regarding a deep test pit that had previously been dug at the south end of the large shed. The report indicated the excavation was dug to approximately 6 feet below grade and revealed no USTs or evidence of gasoline contamination. Jade's review of the documentation indicated the test pit had been dug several feet north of the actual likely location of the UST. Jade also observed

the fill port being opened, and confirmed that it houses a PVC pipe sealed with a 2" compression plug typical of a monitoring well. The cap was removed and the well was dipped with a length of pipe attached to a long chord, confirming that it was quite deep. Although the current property ownership indicates they have no recollection of why the well was installed, Jade's assessment of the available evidence suggests that the well was likely installed to investigate the UST during prior due diligence for the site.

As the disposition of the tank was unknown, Jade proceeded to investigate the area by conducting a limited geophysical survey using magnetometry and radio-detection. The investigation identified a large anomaly consistent with a buried steel tank with a capacity of up to 550 gallons. Jade was also able to follow the connecting pipework back to piping indicative of remnant 1" supply and return lines, as well as a ¼" Petrometer line, all of which penetrated the retaining wall beneath the smaller shed. This suggests that a pump for the tank may have been located inside this shed. As indicated in our Phase I report, the interior of the shed was completely filled with equipment and materials at the time of inspection, making a detailed inspection impossible.

Soil Sampling

Equipped with an AMS Powerprobe 9600 Pro supported by a Ford F-550 flatbed, Jade advanced several penetrations in rig accessible locations around the suspected UST. A total of six soil probes were advanced in the vicinity of the anomaly; although refusal on concrete was encountered in several locations, two deep penetrations were completed to 18' below grade (SB-1) and 20' below grade (SB-5), at least ten feet below the invert of the suspected UST. Please refer to the Sample Location Map provided as Appendix A for probe locations relative to the UST and other pertinent site features.

Beneath the blacktop, approximately three feet of black pure coal ash was encountered, a possible residue generated by the former on-site burn plant, including a large chimney stack which was reportedly removed in recent years. Below the ash was approximately seven feet of relatively clean silty sand fill with remnant pieces of brick and masonry, as well as large slabs resulting in auger refusal in some locations. At ten feet below grade in several locations, Jade encountered a concrete rat slab, a thin layer of concrete indicative of a past structure at this location. Soils beneath the 10' interval were characterized as natural undisturbed material consisting of stratified layers of highly permeable fine to coarse grained sand with trace silt.

Soil cores were screened for visual staining and chemical and/or petroleum odors. Additionally, select cores were screened for volatile emissions using a calibrated photo-ionization detector (PID) using standard head space analysis with typical zipper seal bags. Other than typical deflections associated with sample humidity, no elevated emissions were detected indicative of excessive volatile contamination.

Jade collected a total of four soil samples for laboratory analysis. All samples were collected in laboratory supplied, analysis appropriate sample jars without headspace, with as minimum disturbance as possible; the jars were labeled and placed in a cooler with ice pending next day delivery under chain of custody to a licensed chemistry laboratory.

Jade ordered the analysis of two deep soil samples from beneath the UST at SB-1 (20') and SB-5 (18') for gasoline constituents using USEPA Method 8021, as recommended by the NYSDEC for buried petroleum tank assessments. The analysis of these samples failed to detect any analytes above the laboratory method detection limit, indicating that soils below the tank invert are free from any

contaminants of concern at any measurable concentration. Please refer to the laboratory reports appended to this Assessment for a complete list of analytes and detection limits.

In addition, two samples of the ash were collected. A grab sample from SB-2 at the 2' interval was collected for analysis solely for priority pollutant metals (PPM13), and a composite sample comprised of aliquots of ash collected from SB-2, SB-3, SB-4 and SB-5 was collected for analysis for metals, polynuclear aromatic hydrocarbons (PAHs) using USEPA Method 8270, and polychlorinated biphenyls (PCBs) using USEPA Method 8080. As SB-3 and SB-4 met with shallow refusal, no deep samples were collected at these locations.

The laboratory analysis of the ash layer detected metal concentrations at slightly elevated levels in comparison with the background level for this part of New York State, but consistent with characterization as "urban fill". A summary of the metals analysis results is provided in the table below.

Table 1 – Soils - Metals Analysis (mg/kg)

Constituent Detected	Soil Clean-up Objective	Soil Sample ID	
		Composite (2-5)	SB-2 (2)
Arsenic	13	5.3	11.6
Cadmium	2.5	1.18	1.68
Chromium (total)	30	24.5	23.1
Lead	63	242	408
Mercury	0.18	0.25	0.25

As can be seen in the summary table, lead and mercury were the only two analytes detected marginally in excess of the clean-up objective. Based on the low levels measured, Jade believes that the fill would likely be permitted as a daily cover material at any permitted landfill, an economical beneficial reuse option provided by the NYSDEC.

The PAH analysis confirms the presence of semi-volatile organic compounds typical of a coal residue, again with select constituents slightly exceeding the NYSDEC soil quality guideline. A summary of the PAH analysis results is provided in the table below.

Table 2 – Soils - Polynuclear Aromatic Hydrocarbons Analysis (µg/kg)

Constituent Detected	Soil Clean-up Objective	Composite (2-5)
Benz(a)anthracene	1,000	4,400
Benzo(a)pyrene	1,000	4,000
Benzo(b)fluoranthene	1,000	4,000
Benzo(ghi)perylene	100,000	1,900
Benzo(k)flouranthene	100,00	2,000
Chrysene	1,000	4,300
Fluoranthene	100,000	7,100
Phenanthrene	100,000	7,600
Pyrene	100,000	5,500

The SVOC levels detected, including the constituents that slightly exceed state standards, will likely allow the coal ash to be permitted as a daily cover material at any permitted landfill.

PCB analysis of the ash fill composite sample detected PCB -1254 at 8.6 mg/kg, well above the state clean-up objective. However, as the level detected is below 10 mg/kg, and as the material is confined below an asphalt cap and therefore inaccessible with respect to direct contact, the fill does not require any interim remedial measures.

Groundwater Sampling

Jade collected a total of three groundwater samples from the Subject property. After purging several well volumes, samples were collected in laboratory supplied and preserved VOA bottles, labeled and placed in a cooler with ice pending next day delivery under chain of custody to a licensed chemistry laboratory.

One groundwater sample was collected from the monitoring well associated with the suspected UST (MW-1). Groundwater at this location was determined to be located at over 30' below grade. The sample collected was relatively clear of suspended solids and did not exhibit any visual or olfactory evidence of petroleum contamination. Jade ordered the analysis of this sample for a broad range of a volatile organic compounds using USEPA Method 8260.

The analysis of this sample failed to detect any analytes above the laboratory method detection limit, indicating that groundwater in this location is free from any contaminants of concern at any measurable concentration.

One sample was also collected from each of the two monitoring wells along the northeast sidewalk of the Subject property, associated with the Hess release. These monitoring wells are identified as MW-4, located along Bronx Boulevard approximately 60' from the intersection with Nereid Avenue, and MW-5, located at the corner of Bronx and Nereid.

Although no free phase gasoline was present, field screening of the sample taken from MW-4 indicated a high level of dissolved gasoline. In addition to the obvious odor, the sample was observed to be gray and cloudy, indicating the contaminant is degrading rapidly, most likely as a result of the remedial activities currently being undertaken by consultants for Hess. At MW-5, the sample was observed to be clearer and exhibited only a faint odor of gasoline.

Both of the samples were submitted for analysis for volatile organic compounds typical of gasoline using USEPA Method 8021. The results of this analysis are summarized in the table below.

Table 3 - Groundwater Analysis (µg/L)

Compound	MW-4	MW-5
1,2 4-Trimethylbenzene	2,500	840
1,3,5-Trimethylbenzene	590	97
Benzene	4,300	180
Ethylbenzene	2,200	1,800
Isopropylbenzene	53	68

m&p-Xylene	8,600	1,800
Methyl t-butyl ether (MTBE)	100	ND
Napthalene	480	340
n-Propylbenzene	79	140
o-Xylene	3,600	760
Toluene	15,000	150
Total Xylenes	12,200	2,560

Indoor Air Sampling

In order to further establish whether the known release from the Hess filling station, or a possible plume originating from the former garage, presented a vapor intrusion risk for the Subject property, Jade collected two indoor air samples from inside closets on the first floor of the building. A sample was taken from a closet on the north side of the building near the front door, and from a former security office being used for storage on the south side of the building. After removing all containers of possible cross-contaminants (cleaning products, mops, etc.) at each location, a 6 liter summa canister fitted with a two hour regulator was opened and the door was closed to prevent ventilation of the space. The samples were analyzed in accordance with standard protocols using EPA Method TO+15. The results of the laboratory analysis are summarized in the table below.

Table 4 - Indoor Air Analysis (µg/m^3)

Compound	Closet	Security Office
Tetrachloroethylene	0.85	0.83
1,2 4-Trimethylbenzene	3.39	4.36
Acetone	120	95.2
Carbon Tetrachloride	0.65	0.65
Chloromethane	1.19	1.17
Benzene	1.12	1.07
Dichlorodifluoromethane	2.05	2.06
Ethanol	1,360	1,570
Ethyl Acetate	5.51	5.94
Isopropyl Alcohol	349	278
Methyl Ethyl Ketone	1.63	1.56
Propylene	23.4	21.2
Toluene	3.88	3.12
m&p Xylene	3.30	2.30

Notes:

1. Soil Vapor/Indoor Air Matrix 1 of Appendix A "NYSDOH Guidance for Evaluating Soil Vapor Intrusion in NYS" Oct 2006.
2. NYSDEC has adopted a standard policy of recommending further investigation on sites where constituents exceed 100 µg/m^3.
3. Laboratory artifacts shaded gray, including but not limited to ethanol and acetone, are typically found at high levels.
4. Yellow shaded cells indicate exceedances of state guidance levels by up to an order of magnitude.

No elevated levels of gasoline constituent vapors were identified at either location. This indicates either that no vapor intrusion sources exist, or that building features are preventing such intrusion at levels indicative of a condition warranting further investigation and/or mitigation.

Conclusions and Recommendations

1. Underground Storage Tank

The results of our geophysical survey indicate that an anomaly indicative of a 550 gallon gasoline tank and associated pipework exists below grade just north of the on-site monitoring well. The abandoned UST, should it exist, represents a violation if not closed properly, and also represents a liability with respect to a possible future breach and release of any remaining fluids into the subsurface. However, soils analysis below the tank invert confirms that no evidence of an active release currently exists.

Jade recommends that the anomaly is excavated and, if found to be a UST, that the tank be closed in accordance with all applicable regulations.

2. Characterization of Fill Material

The results of our assessment of fill material at the Subject property indicates that a minimum of ten feet of fill exists in the southwest corner of the site, the top three feet of which consists entirely or predominantly of coal ash. Our analysis of the ash indicates the material may be permittable for beneficial reuse as landfill cover. The ash may contain elevated levels of PCBs, a fact which has the potential to complicate such an application. However, given the detected level of PCBs and the fact that the material is inaccessible beneath the asphalt cap, no interim remedial measures are required.

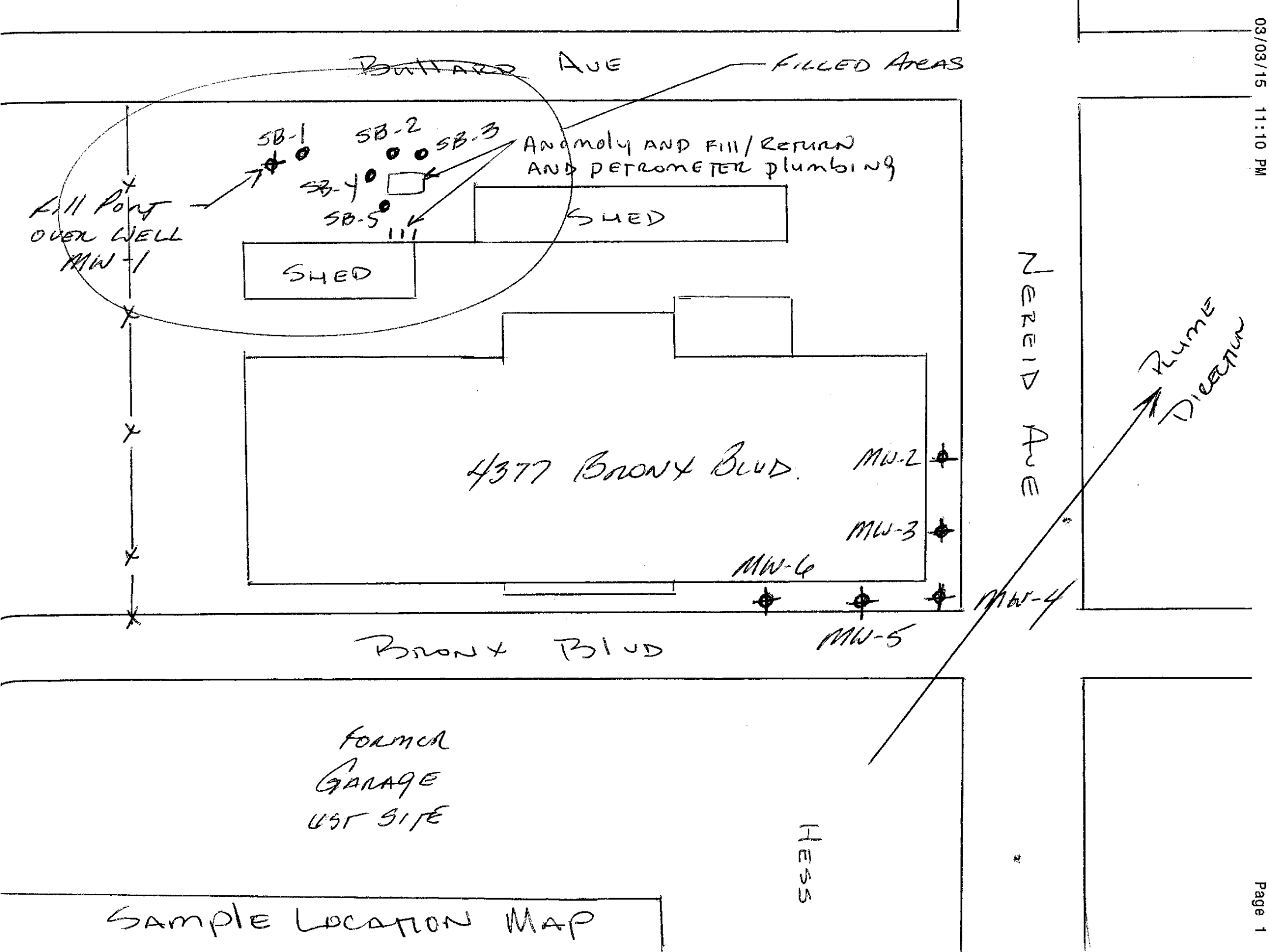
Jade recommends that the fill material present at the Subject property should remain undisturbed until the planned site development is initiated. At that time, Jade recommends that excavation for foundation purposes be expanded to include removal of the entire ash layer, and that waste characterization should be conducted in accordance with USEPA stock pile characterization methods. In addition, Jade recommends that confirmatory end point sampling be conducted to ensure that all PCB impacted soils have been removed and permanently contained off-site.

3. Potential Impact from Adjacent Properties of Concern

The investigation was limited by the refusal of the current property owner to allow Jade to conduct soil borings to assess the impact to the Subject property from the adjacent Hess spill. However, based on our review of the NYSDEC case file and on-site assessment, Jade concludes that gasoline released from the adjacent Hess filling station has, for the most part, bypassed the Subject property, and the heart of the plume is located under Nereid Avenue flowing toward the northwest, somewhat cross-gradient of the Subject as opposed to directly beneath it. Confirmatory analysis indicates that dissolved phase compounds above regulatory levels exist in groundwater under the northeast most corner of the building. However, groundwater is located well below the building foundation, and indoor air sampling suggests that this condition is not having a negative impact on indoor air quality at the Subject property.

Jade therefore recommends no further investigation at this time related to existing or former up-gradient PBS locations. However, Jade does recommend that future owners of the Subject property remain apprised of the progress of the remediation activities at Hess. Additionally, Jade recommends the utilization of soil vapor protection measures as part of the planned redevelopment of the site.

Appendix A
Site Plan


BUFFARD AVE
FILLED AREAS
SB-1
SB-2
SB-3
SB-4
SB-5
ANOMOLY AND FILL/RETURN AND PETROMETER PLUMBING
FILL PORT OVER WELL MW-1
SHED
SHED
4377 BRONX BLVD.
MW-2
MW-3
MW-6
MW-4
MW-5
NEREID AVE
RUNE DIRECTION
BRONX BLVD
FORMER GARAGE UST SITE
IESS
SAMPLE LOCATION MAP

Appendix B
Laboratory Report
Soil and Groundwater Analysis

PHOENIX
Environmental Laboratories, Inc.

Tuesday, February 24, 2015

Attn: Mr. David Pelletier
Jade Environmental, Inc.
14 Ridgecrest Dr
Wingdale, NY 12594

Project ID: 4377 BRONX BLVD
Sample ID#s: BH74870 - BH74876

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

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

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

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

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

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG Comments

February 24, 2015

SDG I.D.: GBH74870

BH74873 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BH74875 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BH74876 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 24, 2015

FOR: Attn: Mr. David Pelletier
Jade Environmental, Inc.
14 Ridgecrest Dr
Wingdale, NY 12594

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		02/17/15	0:00
Location Code:	JADEENV	Received by:	SW	02/18/15	16:46
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH74870
Phoenix ID: BH74870

Project ID: 4377 BRONX BLVD
Client ID: MW-1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	02/18/15	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	ug/L	02/18/15	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	02/18/15	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	ug/L	02/18/15	MH	SW8260C	
1,1-Dichloroethane	ND	1.0	ug/L	02/18/15	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	ug/L	02/18/15	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	ug/L	02/18/15	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	02/18/15	MH	SW8260C	
1,2,3-Trichloropropane	ND	1.0	ug/L	02/18/15	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	02/18/15	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	02/18/15	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	02/18/15	MH	SW8260C	
1,2-Dibromoethane	ND	1.0	ug/L	02/18/15	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	ug/L	02/18/15	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	ug/L	02/18/15	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	ug/L	02/18/15	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	02/18/15	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	02/18/15	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	02/18/15	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	02/18/15	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	02/18/15	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	02/18/15	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	02/18/15	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	02/18/15	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	02/18/15	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	02/18/15	MH	SW8260C	

Project ID: 4377 BRONX BLVD
Client ID: MW-1

Phoenix I.D.: BH74870

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Acetone	ND	25	ug/L	02/18/15	MH	SW8260C	
Acrylonitrile	ND	5.0	ug/L	02/18/15	MH	SW8260C	
Benzene	ND	0.70	ug/L	02/18/15	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	02/18/15	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	02/18/15	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	02/18/15	MH	SW8260C	
Bromoform	ND	1.0	ug/L	02/18/15	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	02/18/15	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	02/18/15	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	02/18/15	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	02/18/15	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	02/18/15	MH	SW8260C	
Chloroform	ND	1.0	ug/L	02/18/15	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	02/18/15	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	02/18/15	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	02/18/15	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	02/18/15	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	02/18/15	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	02/18/15	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	02/18/15	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	02/18/15	MH	SW8260C	
Isopropylbenzene	ND	1.0	ug/L	02/18/15	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	02/18/15	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	02/18/15	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	02/18/15	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	02/18/15	MH	SW8260C	
Naphthalene	ND	1.0	ug/L	02/18/15	MH	SW8260C	
n-Butylbenzene	ND	1.0	ug/L	02/18/15	MH	SW8260C	
n-Propylbenzene	ND	1.0	ug/L	02/18/15	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	02/18/15	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	ug/L	02/18/15	MH	SW8260C	
sec-Butylbenzene	ND	1.0	ug/L	02/18/15	MH	SW8260C	
Styrene	ND	1.0	ug/L	02/18/15	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	02/18/15	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	02/18/15	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	02/18/15	MH	SW8260C	1
Toluene	ND	1.0	ug/L	02/18/15	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	02/18/15	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	ug/L	02/18/15	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	ug/L	02/18/15	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	02/18/15	MH	SW8260C	
Trichloroethene	ND	1.0	ug/L	02/18/15	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	ug/L	02/18/15	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	ug/L	02/18/15	MH	SW8260C	
Vinyl chloride	ND	1.0	ug/L	02/18/15	MH	SW8260C	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103		%	02/18/15	MH	70 - 130 %	
% Bromofluorobenzene	96		%	02/18/15	MH	70 - 130 %	
% Dibromofluoromethane	103		%	02/18/15	MH	70 - 130 %	

Project ID: 4377 BRONX BLVD
Client ID: MW-1

Phoenix I.D.: BH74870

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Toluene-d8	101		%	02/18/15	MH	70 - 130 %

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

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

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
February 24, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 24, 2015

FOR: Attn: Mr. David Pelletier
Jade Environmental, Inc.
14 Ridgecrest Dr
Wingdale, NY 12594

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		02/17/15	0:00
Location Code:	JADEENV	Received by:	SW	02/18/15	16:46
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH74870
Phoenix ID: BH74871

Project ID: 4377 BRONX BLVD
Client ID: MW-4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Volatiles- Stars/CP-51						
1,2,4-Trimethylbenzene	2500	20	ug/L	02/19/15	RM	SW8260C
1,3,5-Trimethylbenzene	590	20	ug/L	02/19/15	RM	SW8260C
Benzene	4300	140	ug/L	02/19/15	RM	SW8260C
Ethylbenzene	2200	20	ug/L	02/19/15	RM	SW8260C
Isopropylbenzene	53	20	ug/L	02/19/15	RM	SW8260C
m&p-Xylene	8600	400	ug/L	02/19/15	RM	SW8260C
Methyl t-butyl ether (MTBE)	100	20	ug/L	02/19/15	RM	SW8260C
Naphthalene	480	20	ug/L	02/19/15	RM	SW8260C
n-Butylbenzene	ND	20	ug/L	02/19/15	RM	SW8260C
n-Propylbenzene	79	20	ug/L	02/19/15	RM	SW8260C
o-Xylene	3600	40	ug/L	02/19/15	RM	SW8260C
p-Isopropyltoluene	ND	20	ug/L	02/19/15	RM	SW8260C
sec-Butylbenzene	ND	20	ug/L	02/19/15	RM	SW8260C
tert-Butylbenzene	ND	20	ug/L	02/19/15	RM	SW8260C
Toluene	15000	200	ug/L	02/19/15	RM	SW8260C
Total Xylenes	12200	400	ug/L	02/19/15	RM	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	101		%	02/19/15	RM	70 - 130 %
% Bromofluorobenzene	101		%	02/19/15	RM	70 - 130 %
% Dibromofluoromethane	103		%	02/19/15	RM	70 - 130 %
% Toluene-d8	101		%	02/19/15	RM	70 - 130 %

Project ID: 4377 BRONX BLVD
Client ID: MW-4

Phoenix I.D.: BH74871

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

Comments:

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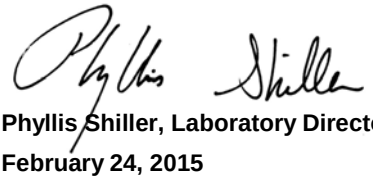

Phyllis Shiller, Laboratory Director

February 24, 2015

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Analysis Report

February 24, 2015

FOR: Attn: Mr. David Pelletier
Jade Environmental, Inc.
14 Ridgecrest Dr
Wingdale, NY 12594

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		02/17/15	0:00
Location Code:	JADEENV	Received by:	SW	02/18/15	16:46
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH74870
Phoenix ID: BH74872

Project ID: 4377 BRONX BLVD
Client ID: MW-5

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Volatiles- Stars/CP-51						
1,2,4-Trimethylbenzene	840	10	ug/L	02/19/15	RM	SW8260C
1,3,5-Trimethylbenzene	97	10	ug/L	02/19/15	RM	SW8260C
Benzene	180	7.0	ug/L	02/19/15	RM	SW8260C
Ethylbenzene	1800	10	ug/L	02/19/15	RM	SW8260C
Isopropylbenzene	68	10	ug/L	02/19/15	RM	SW8260C
m&p-Xylene	1800	20	ug/L	02/19/15	RM	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	ug/L	02/19/15	RM	SW8260C
Naphthalene	340	10	ug/L	02/19/15	RM	SW8260C
n-Butylbenzene	ND	10	ug/L	02/19/15	RM	SW8260C
n-Propylbenzene	140	10	ug/L	02/19/15	RM	SW8260C
o-Xylene	760	20	ug/L	02/19/15	RM	SW8260C
p-Isopropyltoluene	ND	10	ug/L	02/19/15	RM	SW8260C
sec-Butylbenzene	ND	10	ug/L	02/19/15	RM	SW8260C
tert-Butylbenzene	ND	10	ug/L	02/19/15	RM	SW8260C
Toluene	150	10	ug/L	02/19/15	RM	SW8260C
Total Xylenes	2560	20	ug/L	02/19/15	RM	SW8260C
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	100		%	02/19/15	RM	70 - 130 %
% Bromofluorobenzene	100		%	02/19/15	RM	70 - 130 %
% Dibromofluoromethane	100		%	02/19/15	RM	70 - 130 %
% Toluene-d8	101		%	02/19/15	RM	70 - 130 %

Project ID: 4377 BRONX BLVD
Client ID: MW-5

Phoenix I.D.: BH74872

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

Comments:

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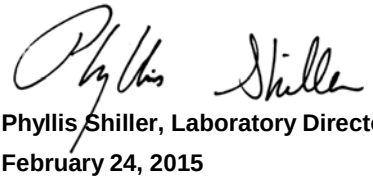

Phyllis Shiller, Laboratory Director

February 24, 2015

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Analysis Report

February 24, 2015

FOR: Attn: Mr. David Pelletier
Jade Environmental, Inc.
14 Ridgecrest Dr
Wingdale, NY 12594

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/17/15	0:00
Location Code:	JADEENV	Received by:	SW	02/18/15	16:46
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH74870
Phoenix ID: BH74873

Project ID: 4377 BRONX BLVD
Client ID: SB-1 20FT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	02/18/15	I	SW846
Volatiles- STARS/CP-51						
1,2,4-Trimethylbenzene	ND	2.2	ug/Kg	02/19/15	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	2.2	ug/Kg	02/19/15	JLI	SW8260C
Benzene	ND	1.1	ug/Kg	02/19/15	JLI	SW8260C
Ethylbenzene	ND	1.1	ug/Kg	02/19/15	JLI	SW8260C
Isopropylbenzene	ND	2.2	ug/Kg	02/19/15	JLI	SW8260C
m&p-Xylene	ND	2.2	ug/Kg	02/19/15	JLI	SW8260C
Methyl t-Butyl Ether (MTBE)	ND	1.1	ug/Kg	02/19/15	JLI	SW8260C
Naphthalene	ND	2.2	ug/Kg	02/19/15	JLI	SW8260C
n-Butylbenzene	ND	2.2	ug/Kg	02/19/15	JLI	SW8260C
n-Propylbenzene	ND	2.2	ug/Kg	02/19/15	JLI	SW8260C
o-Xylene	ND	2.2	ug/Kg	02/19/15	JLI	SW8260C
p-Isopropyltoluene	ND	2.2	ug/Kg	02/19/15	JLI	SW8260C
sec-Butylbenzene	ND	2.2	ug/Kg	02/19/15	JLI	SW8260C
tert-Butylbenzene	ND	2.2	ug/Kg	02/19/15	JLI	SW8260C
Toluene	ND	1.1	ug/Kg	02/19/15	JLI	SW8260C
Total Xylenes	ND	2.2	ug/Kg	02/19/15	JLI	SW8260C
QA/QC Surrogates						
% 1,2-Dichlorobenzene-d4	96		%	02/19/15	JLI	70 - 130 %
% Bromofluorobenzene	97		%	02/19/15	JLI	70 - 130 %
% Dibromofluoromethane	103		%	02/19/15	JLI	70 - 130 %
% Toluene-d8	89		%	02/19/15	JLI	70 - 130 %

Project ID: 4377 BRONX BLVD
Client ID: SB-1 20FT

Phoenix I.D.: BH74873

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

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

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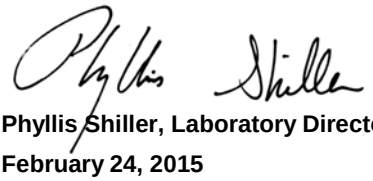

Phyllis Shiller, Laboratory Director
February 24, 2015
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 24, 2015

FOR: Attn: Mr. David Pelletier
Jade Environmental, Inc.
14 Ridgecrest Dr
Wingdale, NY 12594

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/17/15	0:00
Location Code:	JADEENV	Received by:	SW	02/18/15	16:46
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH74870
Phoenix ID: BH74874

Project ID: 4377 BRONX BLVD
Client ID: SB-2 2FT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Antimony	< 4.0	4.0	mg/Kg	02/19/15	LK	SW6010C
Arsenic	11.6	0.8	mg/Kg	02/19/15	LK	SW6010C
Beryllium	0.69	0.32	mg/Kg	02/19/15	LK	SW6010C
Cadmium	1.68	0.40	mg/Kg	02/19/15	LK	SW6010C
Chromium	23.1	0.40	mg/Kg	02/19/15	LK	SW6010C
Copper	150	0.40	mg/kg	02/19/15	LK	SW6010C
Lead	408	4.0	mg/Kg	02/20/15	EK	SW6010C
Mercury	0.25	0.03	mg/Kg	02/20/15	RS	SW7471B
Nickel	23.8	0.40	mg/Kg	02/19/15	LK	SW6010C
Selenium	< 1.6	1.6	mg/Kg	02/19/15	LK	SW6010C
Silver	< 0.40	0.40	mg/Kg	02/19/15	LK	SW6010C
Thallium	< 3.6	3.6	mg/Kg	02/19/15	LK	SW6010C
Zinc	305	4.0	mg/Kg	02/20/15	EK	SW6010C
Percent Solid	79		%	02/18/15	I	SW846
Mercury Digestion	Completed			02/20/15	I/I	SW7471B
Total Metals Digest	Completed			02/18/15	CB/AG	SW3050B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

Comments:

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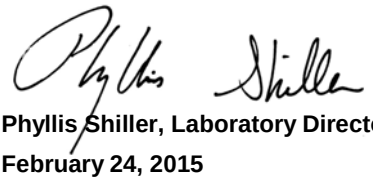

Phyllis Shiller, Laboratory Director

February 24, 2015

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 24, 2015

FOR: Attn: Mr. David Pelletier
Jade Environmental, Inc.
14 Ridgecrest Dr
Wingdale, NY 12594

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/17/15	0:00
Location Code:	JADEENV	Received by:	SW	02/18/15	16:46
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH74870
Phoenix ID: BH74875

Project ID: 4377 BRONX BLVD
Client ID: SB-5 18FT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	92		%	02/18/15	I	SW846
Volatiles- STARS/CP-51						
1,2,4-Trimethylbenzene	ND	2.2	ug/Kg	02/19/15	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	2.2	ug/Kg	02/19/15	JLI	SW8260C
Benzene	ND	1.1	ug/Kg	02/19/15	JLI	SW8260C
Ethylbenzene	ND	1.1	ug/Kg	02/19/15	JLI	SW8260C
Isopropylbenzene	ND	2.2	ug/Kg	02/19/15	JLI	SW8260C
m&p-Xylene	ND	2.2	ug/Kg	02/19/15	JLI	SW8260C
Methyl t-Butyl Ether (MTBE)	ND	1.1	ug/Kg	02/19/15	JLI	SW8260C
Naphthalene	ND	2.2	ug/Kg	02/19/15	JLI	SW8260C
n-Butylbenzene	ND	2.2	ug/Kg	02/19/15	JLI	SW8260C
n-Propylbenzene	ND	2.2	ug/Kg	02/19/15	JLI	SW8260C
o-Xylene	ND	2.2	ug/Kg	02/19/15	JLI	SW8260C
p-Isopropyltoluene	ND	2.2	ug/Kg	02/19/15	JLI	SW8260C
sec-Butylbenzene	ND	2.2	ug/Kg	02/19/15	JLI	SW8260C
tert-Butylbenzene	ND	2.2	ug/Kg	02/19/15	JLI	SW8260C
Toluene	ND	1.1	ug/Kg	02/19/15	JLI	SW8260C
Total Xylenes	ND	2.2	ug/Kg	02/19/15	JLI	SW8260C
QA/QC Surrogates						
% 1,2-Dichlorobenzene-d4	98		%	02/19/15	JLI	70 - 130 %
% Bromofluorobenzene	101		%	02/19/15	JLI	70 - 130 %
% Dibromofluoromethane	103		%	02/19/15	JLI	70 - 130 %
% Toluene-d8	89		%	02/19/15	JLI	70 - 130 %

Project ID: 4377 BRONX BLVD
Client ID: SB-5 18FT

Phoenix I.D.: BH74875

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

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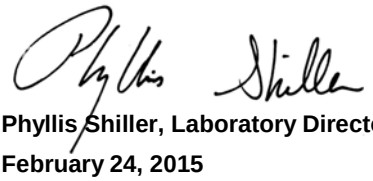

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 24, 2015

FOR: Attn: Mr. David Pelletier
Jade Environmental, Inc.
14 Ridgecrest Dr
Wingdale, NY 12594

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/17/15	0:00
Location Code:	JADEENV	Received by:	SW	02/18/15	16:46
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH74870
Phoenix ID: BH74876

Project ID: 4377 BRONX BLVD
Client ID: SB 2-5 COMP

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Antimony	< 3.3	3.3	mg/Kg	02/19/15	LK	SW6010C
Arsenic	5.3	0.7	mg/Kg	02/19/15	LK	SW6010C
Beryllium	0.54	0.27	mg/Kg	02/19/15	LK	SW6010C
Cadmium	1.18	0.33	mg/Kg	02/19/15	LK	SW6010C
Chromium	24.5	0.33	mg/Kg	02/19/15	LK	SW6010C
Copper	75.2	0.33	mg/kg	02/19/15	LK	SW6010C
Lead	242	3.3	mg/Kg	02/20/15	EK	SW6010C
Mercury	0.25	0.03	mg/Kg	02/20/15	RS	SW7471B
Nickel	21.7	0.33	mg/Kg	02/19/15	LK	SW6010C
Selenium	< 1.3	1.3	mg/Kg	02/19/15	LK	SW6010C
Silver	< 0.33	0.33	mg/Kg	02/19/15	LK	SW6010C
Thallium	< 3.0	3.0	mg/Kg	02/19/15	LK	SW6010C
Zinc	134	3.3	mg/Kg	02/20/15	EK	SW6010C
Percent Solid	89		%	02/18/15	I	SW846
Soil Extraction for PCB	Completed			02/18/15	JC/H	SW3545A
Soil Extraction for SVOA	Completed			02/18/15	JJ/VH	SW3545A
Mercury Digestion	Completed			02/20/15	I/I	SW7471B
Total Metals Digest	Completed			02/18/15	AG	SW3050B
Polychlorinated Biphenyls						
PCB-1016	ND	3700	ug/Kg	02/19/15	AW	SW8082A
PCB-1221	ND	3700	ug/Kg	02/19/15	AW	SW8082A
PCB-1232	ND	3700	ug/Kg	02/19/15	AW	SW8082A
PCB-1242	ND	3700	ug/Kg	02/19/15	AW	SW8082A
PCB-1248	ND	3700	ug/Kg	02/19/15	AW	SW8082A
PCB-1254	8600	3700	ug/Kg	02/19/15	AW	SW8082A
PCB-1260	ND	3700	ug/Kg	02/19/15	AW	SW8082A
PCB-1262	ND	3700	ug/Kg	02/19/15	AW	SW8082A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
PCB-1268	ND	3700	ug/Kg	02/19/15	AW	SW8082A	
QA/QC Surrogates							
% DCBP	Diluted Out		%	02/19/15	AW	30 - 150 %	
% TCMX	Diluted Out		%	02/19/15	AW	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
1,1-Dichloroethane	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
1,1-Dichloroethene	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
1,1-Dichloropropene	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
1,2-Dibromoethane	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
1,2-Dichloroethane	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
1,2-Dichloropropane	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
1,3-Dichloropropane	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
2,2-Dichloropropane	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
2-Chlorotoluene	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
2-Hexanone	ND	28	ug/Kg	02/19/15	JLI	SW8260C	
2-Isopropyltoluene	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	1
4-Chlorotoluene	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
4-Methyl-2-pentanone	ND	28	ug/Kg	02/19/15	JLI	SW8260C	
Acetone	ND	28	ug/Kg	02/19/15	JLI	SW8260C	
Acrylonitrile	ND	11	ug/Kg	02/19/15	JLI	SW8260C	
Benzene	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
Bromobenzene	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
Bromochloromethane	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
Bromodichloromethane	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
Bromoform	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
Bromomethane	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
Carbon Disulfide	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
Carbon tetrachloride	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
Chlorobenzene	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
Chloroethane	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
Chloroform	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
Chloromethane	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
Dibromochloromethane	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
Dibromomethane	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	

Project ID: 4377 BRONX BLVD
Client ID: SB 2-5 COMP

Phoenix I.D.: BH74876

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Dichlorodifluoromethane	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
Ethylbenzene	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
Hexachlorobutadiene	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
Isopropylbenzene	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
m&p-Xylene	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
Methyl Ethyl Ketone	ND	28	ug/Kg	02/19/15	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	02/19/15	JLI	SW8260C	
Methylene chloride	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
Naphthalene	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
n-Butylbenzene	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
n-Propylbenzene	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
o-Xylene	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
p-Isopropyltoluene	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
sec-Butylbenzene	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
Styrene	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
tert-Butylbenzene	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
Tetrachloroethene	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	11	ug/Kg	02/19/15	JLI	SW8260C	1
Toluene	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
Total Xylenes	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	02/19/15	JLI	SW8260C	
Trichloroethene	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
Trichlorofluoromethane	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
Trichlorotrifluoroethane	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
Vinyl chloride	ND	5.6	ug/Kg	02/19/15	JLI	SW8260C	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	02/19/15	JLI	70 - 130 %	
% Bromofluorobenzene	92		%	02/19/15	JLI	70 - 130 %	
% Dibromofluoromethane	103		%	02/19/15	JLI	70 - 130 %	
% Toluene-d8	89		%	02/19/15	JLI	70 - 130 %	
Semivolatiles							
1,2-Dichlorobenzene	ND	260	ug/Kg	02/19/15	KCA	SW8270D	
1,2-Diphenylhydrazine	ND	260	ug/Kg	02/19/15	KCA	SW8270D	
1,3-Dichlorobenzene	ND	260	ug/Kg	02/19/15	KCA	SW8270D	
1,4-Dichlorobenzene	ND	260	ug/Kg	02/19/15	KCA	SW8270D	
2,4-Dinitrotoluene	ND	260	ug/Kg	02/19/15	KCA	SW8270D	
2,6-Dinitrotoluene	ND	260	ug/Kg	02/19/15	KCA	SW8270D	
2-Chloronaphthalene	ND	260	ug/Kg	02/19/15	KCA	SW8270D	
2-Methylnaphthalene	ND	260	ug/Kg	02/19/15	KCA	SW8270D	
2-Nitroaniline	ND	1100	ug/Kg	02/19/15	KCA	SW8270D	
3,3'-Dichlorobenzidine	ND	1500	ug/Kg	02/19/15	KCA	SW8270D	
3-Nitroaniline	ND	1100	ug/Kg	02/19/15	KCA	SW8270D	
4-Bromophenyl phenyl ether	ND	260	ug/Kg	02/19/15	KCA	SW8270D	
4-Chloroaniline	ND	260	ug/Kg	02/19/15	KCA	SW8270D	
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	02/19/15	KCA	SW8270D	
4-Nitroaniline	ND	1100	ug/Kg	02/19/15	KCA	SW8270D	
Acenaphthene	980	260	ug/Kg	02/19/15	KCA	SW8270D	

Project ID: 4377 BRONX BLVD
Client ID: SB 2-5 COMP

Phoenix I.D.: BH74876

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Acenaphthylene	ND	260	ug/Kg	02/19/15	KCA	SW8270D	
Anthracene	1800	260	ug/Kg	02/19/15	KCA	SW8270D	
Benz(a)anthracene	4400	260	ug/Kg	02/19/15	KCA	SW8270D	
Benzidine	ND	1500	ug/Kg	02/19/15	KCA	SW8270D	
Benzo(a)pyrene	4000	260	ug/Kg	02/19/15	KCA	SW8270D	
Benzo(b)fluoranthene	4900	1300	ug/Kg	02/19/15	KCA	SW8270D	
Benzo(ghi)perylene	1900	260	ug/Kg	02/19/15	KCA	SW8270D	
Benzo(k)fluoranthene	2000	260	ug/Kg	02/19/15	KCA	SW8270D	
Benzoic acid	ND	370	ug/Kg	02/19/15	KCA	SW8270D	1
Benzyl alcohol	ND	260	ug/Kg	02/19/15	KCA	SW8270D	
Benzyl butyl phthalate	ND	260	ug/Kg	02/19/15	KCA	SW8270D	
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	02/19/15	KCA	SW8270D	
Bis(2-chloroethyl)ether	ND	260	ug/Kg	02/19/15	KCA	SW8270D	
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	02/19/15	KCA	SW8270D	1
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	02/19/15	KCA	SW8270D	
Chrysene	4300	260	ug/Kg	02/19/15	KCA	SW8270D	
Dibenz(a,h)anthracene	540	260	ug/Kg	02/19/15	KCA	SW8270D	
Dibenzofuran	490	260	ug/Kg	02/19/15	KCA	SW8270D	
Diethyl phthalate	ND	260	ug/Kg	02/19/15	KCA	SW8270D	
Dimethylphthalate	ND	260	ug/Kg	02/19/15	KCA	SW8270D	
Di-n-butylphthalate	ND	260	ug/Kg	02/19/15	KCA	SW8270D	
Di-n-octylphthalate	ND	260	ug/Kg	02/19/15	KCA	SW8270D	
Fluoranthene	7100	1300	ug/Kg	02/19/15	KCA	SW8270D	
Fluorene	840	260	ug/Kg	02/19/15	KCA	SW8270D	
Hexachlorobenzene	ND	260	ug/Kg	02/19/15	KCA	SW8270D	
Hexachlorobutadiene	ND	260	ug/Kg	02/19/15	KCA	SW8270D	
Hexachlorocyclopentadiene	ND	260	ug/Kg	02/19/15	KCA	SW8270D	
Hexachloroethane	ND	260	ug/Kg	02/19/15	KCA	SW8270D	
Indeno(1,2,3-cd)pyrene	1900	260	ug/Kg	02/19/15	KCA	SW8270D	
Isophorone	ND	260	ug/Kg	02/19/15	KCA	SW8270D	
Naphthalene	320	260	ug/Kg	02/19/15	KCA	SW8270D	
Nitrobenzene	ND	260	ug/Kg	02/19/15	KCA	SW8270D	
N-Nitrosodimethylamine	ND	260	ug/Kg	02/19/15	KCA	SW8270D	
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	02/19/15	KCA	SW8270D	
N-Nitrosodiphenylamine	ND	260	ug/Kg	02/19/15	KCA	SW8270D	
Phenanthrene	7600	1300	ug/Kg	02/19/15	KCA	SW8270D	
Pyrene	5500	1300	ug/Kg	02/19/15	KCA	SW8270D	
QA/QC Surrogates							
% 2-Fluorobiphenyl	87		%	02/19/15	KCA	30 - 130 %	
% Nitrobenzene-d5	90		%	02/19/15	KCA	30 - 130 %	
% Terphenyl-d14	79		%	02/19/15	KCA	30 - 130 %	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

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

Comments:

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

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
February 24, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

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

NY # 11301

QA/QC Report

February 24, 2015

QA/QC Data

SDG I.D.: GBH74870

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 299569, QC Sample No: BH74504 (BH74874, BH74876)													
ICP Metals - Soil													
Antimony	BRL	<3.7	9.2	NC	113	111	1.8	89.6	90.2	0.7	75 - 125	30	
Arsenic	BRL	8.9	10.7	18.4	108	110	1.8	128	101	23.6	75 - 125	30	m
Beryllium	BRL	0.45	0.46	NC	103	102	1.0	98.4	99.4	1.0	75 - 125	30	
Cadmium	BRL	1.15	1.78	NC	95.8	93.5	2.4	96.0	96.2	0.2	75 - 125	30	
Chromium	BRL	62.4	50.7	20.7	108	105	2.8	100	95.7	4.4	75 - 125	30	
Copper	BRL	196	241	20.6	101	97.6	3.4	>130	>130	NC	75 - 125	30	m
Lead	BRL	234	357	41.6	96.9	96.7	0.2	>130	112	NC	75 - 125	30	m,r
Nickel	BRL	44.0	39.4	11.0	105	102	2.9	103	>130	NC	75 - 125	30	m
Selenium	BRL	<1.5	<1.6	NC	107	103	3.8	93.1	92.2	1.0	75 - 125	30	
Silver	BRL	0.63	0.82	NC	104	103	1.0	104	103	1.0	75 - 125	30	
Thallium	BRL	<3.3	<3.5	NC	107	106	0.9	99.0	98.5	0.5	75 - 125	30	
Zinc	BRL	468	601	24.9	101	97.0	4.0	>130	>130	NC	75 - 125	30	m
QA/QC Batch 299733, QC Sample No: BH74809 (BH74874, BH74876)													
Mercury - Soil	BRL	<0.03	<0.03	NC	118	106	10.7	125	113	10.1	70 - 130	30	

Comment:

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.

m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

PHOENIX

Environmental Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

February 24, 2015

QA/QC Data

SDG I.D.: GBH74870

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 299638, QC Sample No: BH74287 (BH74871 (20X))									
Volatiles - Ground Water									
1,2,4-Trimethylbenzene	ND	79	85	7.3	107	103	3.8	70 - 130	30
1,3,5-Trimethylbenzene	ND	83	89	7.0	109	104	4.7	70 - 130	30
Ethylbenzene	ND	84	90	6.9	108	103	4.7	70 - 130	30
Isopropylbenzene	ND	83	88	5.8	109	103	5.7	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	84	89	5.8	105	104	1.0	70 - 130	30
Naphthalene	ND	85	89	4.6	110	109	0.9	70 - 130	30
n-Butylbenzene	ND	80	87	8.4	111	108	2.7	70 - 130	30
n-Propylbenzene	ND	77	83	7.5	109	103	5.7	70 - 130	30
o-Xylene	ND	83	89	7.0	107	102	4.8	70 - 130	30
p-Isopropyltoluene	ND	82	88	7.1	110	106	3.7	70 - 130	30
sec-Butylbenzene	ND	85	90	5.7	110	107	2.8	70 - 130	30
tert-Butylbenzene	ND	82	87	5.9	108	104	3.8	70 - 130	30
% 1,2-dichlorobenzene-d4	99	100	99	1.0	103	100	3.0	70 - 130	30
% Bromofluorobenzene	98	100	101	1.0	100	100	0.0	70 - 130	30
% Dibromofluoromethane	100	101	103	2.0	99	102	3.0	70 - 130	30
% Toluene-d8	99	99	101	2.0	100	100	0.0	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 299663, QC Sample No: BH74385 (BH74870)									
Volatiles - Ground Water									
1,1,1,2-Tetrachloroethane	ND	78	93	17.5	103	95	8.1	70 - 130	30
1,1,1-Trichloroethane	ND	77	91	16.7	99	91	8.4	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	80	96	18.2	103	97	6.0	70 - 130	30
1,1,2-Trichloroethane	ND	78	93	17.5	105	98	6.9	70 - 130	30
1,1-Dichloroethane	ND	78	92	16.5	100	92	8.3	70 - 130	30
1,1-Dichloroethene	ND	79	92	15.2	98	93	5.2	70 - 130	30
1,1-Dichloropropene	ND	76	87	13.5	98	91	7.4	70 - 130	30
1,2,3-Trichlorobenzene	ND	78	97	21.7	106	105	0.9	70 - 130	30
1,2,3-Trichloropropane	ND	79	93	16.3	104	100	3.9	70 - 130	30
1,2,4-Trichlorobenzene	ND	78	93	17.5	105	100	4.9	70 - 130	30
1,2,4-Trimethylbenzene	ND	75	86	13.7	100	92	8.3	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	78	95	19.7	104	99	4.9	70 - 130	30
1,2-Dibromoethane	ND	79	93	16.3	107	99	7.8	70 - 130	30
1,2-Dichlorobenzene	ND	78	91	15.4	103	96	7.0	70 - 130	30
1,2-Dichloroethane	ND	81	93	13.8	106	99	6.8	70 - 130	30
1,2-Dichloropropane	ND	78	91	15.4	102	95	7.1	70 - 130	30
1,3,5-Trimethylbenzene	ND	78	89	13.2	99	91	8.4	70 - 130	30
1,3-Dichlorobenzene	ND	78	90	14.3	102	93	9.2	70 - 130	30
1,3-Dichloropropane	ND	77	92	17.8	104	97	7.0	70 - 130	30

QA/QC Data

SDG I.D.: GBH74870

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,4-Dichlorobenzene	ND	77	90	15.6	103	94	9.1	70 - 130	30
2,2-Dichloropropane	ND	75	88	16.0	97	87	10.9	70 - 130	30
2-Chlorotoluene	ND	76	88	14.6	100	91	9.4	70 - 130	30
2-Hexanone	ND	74	87	16.1	103	96	7.0	70 - 130	30
2-Isopropyltoluene	ND	77	91	16.7	100	92	8.3	70 - 130	30
4-Chlorotoluene	ND	77	87	12.2	99	90	9.5	70 - 130	30
4-Methyl-2-pentanone	ND	76	89	15.8	104	104	0.0	70 - 130	30
Acetone	ND	82	97	16.8	100	86	15.1	70 - 130	30
Acrylonitrile	ND	75	93	21.4	96	93	3.2	70 - 130	30
Benzene	ND	78	91	15.4	99	92	7.3	70 - 130	30
Bromobenzene	ND	78	91	15.4	102	93	9.2	70 - 130	30
Bromochloromethane	ND	81	97	18.0	103	98	5.0	70 - 130	30
Bromodichloromethane	ND	81	96	16.9	103	96	7.0	70 - 130	30
Bromoform	ND	81	95	15.9	107	99	7.8	70 - 130	30
Bromomethane	ND	72	95	27.5	97	100	3.0	70 - 130	30
Carbon Disulfide	ND	85	99	15.2	96	90	6.5	70 - 130	30
Carbon tetrachloride	ND	76	87	13.5	97	90	7.5	70 - 130	30
Chlorobenzene	ND	77	90	15.6	103	94	9.1	70 - 130	30
Chloroethane	ND	76	88	14.6	99	89	10.6	70 - 130	30
Chloroform	ND	81	93	13.8	104	99	4.9	70 - 130	30
Chloromethane	ND	73	85	15.2	90	84	6.9	70 - 130	30
cis-1,2-Dichloroethene	ND	80	95	17.1	102	96	6.1	70 - 130	30
cis-1,3-Dichloropropene	ND	82	96	15.7	105	98	6.9	70 - 130	30
Dibromochloromethane	ND	82	95	14.7	104	98	5.9	70 - 130	30
Dibromomethane	ND	79	92	15.2	105	98	6.9	70 - 130	30
Dichlorodifluoromethane	ND	68	77	12.4	86	80	7.2	70 - 130	30
Ethylbenzene	ND	78	91	15.4	100	90	10.5	70 - 130	30
Hexachlorobutadiene	ND	78	90	14.3	98	93	5.2	70 - 130	30
Isopropylbenzene	ND	75	87	14.8	97	88	9.7	70 - 130	30
m&p-Xylene	ND	78	90	14.3	100	91	9.4	70 - 130	30
Methyl ethyl ketone	ND	74	93	22.8	103	94	9.1	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	82	100	19.8	107	102	4.8	70 - 130	30
Methylene chloride	ND	74	85	13.8	84	76	10.0	70 - 130	30
Naphthalene	ND	79	96	19.4	105	104	1.0	70 - 130	30
n-Butylbenzene	ND	75	87	14.8	101	93	8.2	70 - 130	30
n-Propylbenzene	ND	73	82	11.6	97	89	8.6	70 - 130	30
o-Xylene	ND	78	91	15.4	100	92	8.3	70 - 130	30
p-Isopropyltoluene	ND	76	88	14.6	99	90	9.5	70 - 130	30
sec-Butylbenzene	ND	77	89	14.5	97	90	7.5	70 - 130	30
Styrene	ND	78	92	16.5	103	96	7.0	70 - 130	30
tert-Butylbenzene	ND	75	87	14.8	97	89	8.6	70 - 130	30
Tetrachloroethene	ND	76	87	13.5	97	89	8.6	70 - 130	30
Tetrahydrofuran (THF)	ND	84	97	14.4	111	102	8.5	70 - 130	30
Toluene	ND	78	90	14.3	100	93	7.3	70 - 130	30
trans-1,2-Dichloroethene	ND	79	93	16.3	98	87	11.9	70 - 130	30
trans-1,3-Dichloropropene	ND	82	98	17.8	106	100	5.8	70 - 130	30
trans-1,4-dichloro-2-butene	ND	79	95	18.4	106	97	8.9	70 - 130	30
Trichloroethene	ND	79	90	13.0	99	92	7.3	70 - 130	30
Trichlorofluoromethane	ND	74	86	15.0	100	95	5.1	70 - 130	30
Trichlorotrifluoroethane	ND	78	88	12.0	96	90	6.5	70 - 130	30
Vinyl chloride	ND	70	82	15.8	93	86	7.8	70 - 130	30
% 1,2-dichlorobenzene-d4	101	100	100	0.0	101	101	0.0	70 - 130	30
% Bromofluorobenzene	96	99	100	1.0	100	99	1.0	70 - 130	30

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% Dibromofluoromethane	103	104	103	1.0	101	104	2.9	70 - 130	30	
% Toluene-d8	99	100	100	0.0	100	101	1.0	70 - 130	30	

Comment:

A blank MS/MSD was analyzed with this batch.

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 299580, QC Sample No: BH74801 (BH74876)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	78	79	1.3	78	81	3.8	40 - 140	30	
PCB-1221	ND							40 - 140	30	
PCB-1232	ND							40 - 140	30	
PCB-1242	ND							40 - 140	30	
PCB-1248	ND							40 - 140	30	
PCB-1254	ND							40 - 140	30	
PCB-1260	ND	84	82	2.4	82	86	4.8	40 - 140	30	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	83	84	81	3.6	84	83	1.2	30 - 150	30	
% TCMX (Surrogate Rec)	77	83	82	1.2	81	85	4.8	30 - 150	30	

QA/QC Batch 299579, QC Sample No: BH74811 (BH74876)

Semivolatiles - Soil

1,2-Dichlorobenzene	ND	77	78	1.3	76	77	1.3	30 - 130	30	
1,2-Diphenylhydrazine	ND	96	96	0.0	82	86	4.8	30 - 130	30	
1,3-Dichlorobenzene	ND	75	75	0.0	75	75	0.0	30 - 130	30	
1,4-Dichlorobenzene	ND	77	77	0.0	76	77	1.3	30 - 130	30	
2,4-Dinitrotoluene	ND	105	102	2.9	88	93	5.5	30 - 130	30	
2,6-Dinitrotoluene	ND	100	100	0.0	87	90	3.4	30 - 130	30	
2-Chloronaphthalene	ND	92	93	1.1	84	85	1.2	30 - 130	30	
2-Methylnaphthalene	ND	96	94	2.1	87	88	1.1	30 - 130	30	
2-Nitroaniline	ND	122	108	12.2	90	96	6.5	30 - 130	30	
3,3'-Dichlorobenzidine	ND	94	91	3.2	69	75	8.3	30 - 130	30	
3-Nitroaniline	ND	107	99	7.8	91	89	2.2	30 - 130	30	
4-Bromophenyl phenyl ether	ND	98	99	1.0	88	89	1.1	30 - 130	30	
4-Chloroaniline	ND	91	83	9.2	80	62	25.4	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	98	97	1.0	86	87	1.2	30 - 130	30	
4-Nitroaniline	ND	108	106	1.9	94	98	4.2	30 - 130	30	
Acenaphthene	ND	90	91	1.1	81	82	1.2	30 - 130	30	
Acenaphthylene	ND	93	92	1.1	83	85	2.4	30 - 130	30	
Anthracene	ND	99	100	1.0	88	90	2.2	30 - 130	30	
Benz(a)anthracene	ND	96	95	1.0	83	86	3.6	30 - 130	30	
Benzidine	ND	84	42	66.7	16	22	31.6	30 - 130	30	m,r
Benzo(a)pyrene	ND	99	98	1.0	84	86	2.4	30 - 130	30	
Benzo(b)fluoranthene	ND	104	104	0.0	90	91	1.1	30 - 130	30	
Benzo(ghi)perylene	ND	98	91	7.4	80	85	6.1	30 - 130	30	
Benzo(k)fluoranthene	ND	103	104	1.0	90	90	0.0	30 - 130	30	
Benzoic Acid	ND	<10	15	NC	<10	<10	NC	30 - 130	30	l,m
Benzyl Alcohol	ND	84	84	0.0	73	69	5.6	30 - 130	30	
Benzyl butyl phthalate	ND	102	98	4.0	87	93	6.7	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	91	91	0.0	83	84	1.2	30 - 130	30	
Bis(2-chloroethyl)ether	ND	72	71	1.4	68	70	2.9	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	76	77	1.3	70	72	2.8	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	100	99	1.0	87	91	4.5	30 - 130	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Chrysene	ND	100	100	0.0	86	89	3.4	30 - 130	30
Dibenz(a,h)anthracene	ND	100	94	6.2	82	87	5.9	30 - 130	30
Dibenzofuran	ND	100	99	1.0	88	90	2.2	30 - 130	30
Diethyl phthalate	ND	101	101	0.0	87	90	3.4	30 - 130	30
Dimethylphthalate	ND	97	97	0.0	85	87	2.3	30 - 130	30
Di-n-butylphthalate	ND	103	102	1.0	88	92	4.4	30 - 130	30
Di-n-octylphthalate	ND	104	107	2.8	87	91	4.5	30 - 130	30
Fluoranthene	ND	104	103	1.0	95	97	2.1	30 - 130	30
Fluorene	ND	98	98	0.0	87	89	2.3	30 - 130	30
Hexachlorobenzene	ND	100	101	1.0	89	90	1.1	30 - 130	30
Hexachlorobutadiene	ND	93	93	0.0	87	87	0.0	30 - 130	30
Hexachlorocyclopentadiene	ND	96	88	8.7	85	87	2.3	30 - 130	30
Hexachloroethane	ND	77	77	0.0	76	77	1.3	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	89	84	5.8	71	77	8.1	30 - 130	30
Isophorone	ND	88	88	0.0	79	82	3.7	30 - 130	30
Naphthalene	ND	89	89	0.0	84	84	0.0	30 - 130	30
Nitrobenzene	ND	85	83	2.4	78	79	1.3	30 - 130	30
N-Nitrosodimethylamine	ND	70	67	4.4	67	70	4.4	30 - 130	30
N-Nitrosodi-n-propylamine	ND	90	88	2.2	80	84	4.9	30 - 130	30
N-Nitrosodiphenylamine	ND	98	96	2.1	84	87	3.5	30 - 130	30
Phenanthrene	ND	98	98	0.0	87	89	2.3	30 - 130	30
Pyrene	ND	108	106	1.9	99	100	1.0	30 - 130	30
% 2-Fluorobiphenyl	78	90	89	1.1	79	82	3.7	30 - 130	30
% Nitrobenzene-d5	83	81	80	1.2	73	77	5.3	30 - 130	30
% Terphenyl-d14	92	118	115	2.6	105	107	1.9	30 - 130	30

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 299745, QC Sample No: BH74875 (BH74873, BH74875, BH74876)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	87	89	2.3	108	109	0.9	70 - 130	30
1,1,1-Trichloroethane	ND	90	92	2.2	116	120	3.4	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	83	80	3.7	87	94	7.7	70 - 130	30
1,1,2-Trichloroethane	ND	81	81	0.0	107	104	2.8	70 - 130	30
1,1-Dichloroethane	ND	87	89	2.3	112	113	0.9	70 - 130	30
1,1-Dichloroethene	ND	89	94	5.5	118	115	2.6	70 - 130	30
1,1-Dichloropropene	ND	83	85	2.4	112	114	1.8	70 - 130	30
1,2,3-Trichlorobenzene	ND	78	72	8.0	99	101	2.0	70 - 130	30
1,2,3-Trichloropropane	ND	81	80	1.2	105	100	4.9	70 - 130	30
1,2,4-Trichlorobenzene	ND	73	67	8.6	96	99	3.1	70 - 130	30
1,2,4-Trimethylbenzene	ND	75	73	2.7	101	104	2.9	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	80	80	0.0	108	107	0.9	70 - 130	30
1,2-Dibromoethane	ND	84	83	1.2	112	106	5.5	70 - 130	30
1,2-Dichlorobenzene	ND	81	78	3.8	103	104	1.0	70 - 130	30
1,2-Dichloroethane	ND	85	86	1.2	117	113	3.5	70 - 130	30
1,2-Dichloropropane	ND	83	84	1.2	107	104	2.8	70 - 130	30
1,3,5-Trimethylbenzene	ND	82	78	5.0	104	108	3.8	70 - 130	30
1,3-Dichlorobenzene	ND	78	75	3.9	100	103	3.0	70 - 130	30
1,3-Dichloropropane	ND	82	83	1.2	104	103	1.0	70 - 130	30
1,4-Dichlorobenzene	ND	77	73	5.3	100	104	3.9	70 - 130	30
2,2-Dichloropropane	ND	83	85	2.4	109	114	4.5	70 - 130	30
2-Chlorotoluene	ND	83	80	3.7	104	106	1.9	70 - 130	30

QA/QC Data

SDG I.D.: GBH74870

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
2-Hexanone	ND	64	66	3.1	95	93	2.1	70 - 130	30	I
2-Isopropyltoluene	ND	84	83	1.2	104	110	5.6	70 - 130	30	
4-Chlorotoluene	ND	80	76	5.1	104	106	1.9	70 - 130	30	
4-Methyl-2-pentanone	ND	73	75	2.7	107	101	5.8	70 - 130	30	
Acetone	ND	69	76	9.7	88	86	2.3	70 - 130	30	I
Acrylonitrile	ND	86	86	0.0	115	112	2.6	70 - 130	30	
Benzene	ND	85	85	0.0	108	108	0.0	70 - 130	30	
Bromobenzene	ND	83	79	4.9	105	104	1.0	70 - 130	30	
Bromochloromethane	ND	87	89	2.3	108	104	3.8	70 - 130	30	
Bromodichloromethane	ND	91	92	1.1	114	114	0.0	70 - 130	30	
Bromoform	ND	85	85	0.0	107	105	1.9	70 - 130	30	
Bromomethane	ND	79	79	0.0	114	116	1.7	70 - 130	30	
Carbon Disulfide	ND	98	99	1.0	114	115	0.9	70 - 130	30	
Carbon tetrachloride	ND	89	90	1.1	118	123	4.1	70 - 130	30	
Chlorobenzene	ND	83	84	1.2	106	108	1.9	70 - 130	30	
Chloroethane	ND	89	92	3.3	117	116	0.9	70 - 130	30	
Chloroform	ND	86	89	3.4	109	109	0.0	70 - 130	30	
Chloromethane	ND	79	79	0.0	112	113	0.9	70 - 130	30	
cis-1,2-Dichloroethene	ND	88	88	0.0	110	108	1.8	70 - 130	30	
cis-1,3-Dichloropropene	ND	86	87	1.2	111	108	2.7	70 - 130	30	
Dibromochloromethane	ND	90	88	2.2	108	109	0.9	70 - 130	30	
Dibromomethane	ND	83	86	3.6	110	109	0.9	70 - 130	30	
Dichlorodifluoromethane	ND	71	70	1.4	115	115	0.0	70 - 130	30	
Ethylbenzene	ND	83	83	0.0	105	107	1.9	70 - 130	30	
Hexachlorobutadiene	ND	84	73	14.0	99	108	8.7	70 - 130	30	
Isopropylbenzene	ND	83	80	3.7	105	109	3.7	70 - 130	30	
m&p-Xylene	ND	80	79	1.3	102	105	2.9	70 - 130	30	
Methyl ethyl ketone	ND	71	76	6.8	99	102	3.0	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	83	84	1.2	105	105	0.0	70 - 130	30	
Methylene chloride	ND	82	85	3.6	94	95	1.1	70 - 130	30	
Naphthalene	ND	79	79	0.0	103	102	1.0	70 - 130	30	
n-Butylbenzene	ND	76	69	9.7	101	108	6.7	70 - 130	30	I
n-Propylbenzene	ND	77	76	1.3	105	108	2.8	70 - 130	30	
o-Xylene	ND	84	85	1.2	105	107	1.9	70 - 130	30	
p-Isopropyltoluene	ND	78	75	3.9	101	106	4.8	70 - 130	30	
sec-Butylbenzene	ND	84	80	4.9	103	108	4.7	70 - 130	30	
Styrene	ND	81	81	0.0	103	104	1.0	70 - 130	30	
tert-Butylbenzene	ND	84	82	2.4	105	110	4.7	70 - 130	30	
Tetrachloroethene	ND	85	82	3.6	112	117	4.4	70 - 130	30	
Tetrahydrofuran (THF)	ND	80	83	3.7	110	105	4.7	70 - 130	30	
Toluene	ND	86	85	1.2	111	112	0.9	70 - 130	30	
trans-1,2-Dichloroethene	ND	89	92	3.3	114	114	0.0	70 - 130	30	
trans-1,3-Dichloropropene	ND	89	88	1.1	111	112	0.9	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	81	80	1.2	105	105	0.0	70 - 130	30	
Trichloroethene	ND	87	88	1.1	125	120	4.1	70 - 130	30	
Trichlorofluoromethane	ND	86	88	2.3	123	123	0.0	70 - 130	30	
Trichlorotrifluoroethane	ND	89	83	7.0	115	119	3.4	70 - 130	30	
Vinyl chloride	ND	80	81	1.2	117	116	0.9	70 - 130	30	
% 1,2-dichlorobenzene-d4	97	101	100	1.0	101	102	1.0	70 - 130	30	
% Bromofluorobenzene	99	100	99	1.0	102	104	1.9	70 - 130	30	
% Dibromofluoromethane	102	101	100	1.0	105	108	2.8	70 - 130	30	
% Toluene-d8	90	100	100	0.0	102	100	2.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBH74870

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Comment:									
Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.									
QA/QC Batch 299737, QC Sample No: BH75060 (BH74871 (200X) , BH74872 (10X))									
Volatiles - Ground Water									
1,2,4-Trimethylbenzene	ND	79	79	0.0	96	123	24.7	70 - 130	30
1,3,5-Trimethylbenzene	ND	82	83	1.2	97	123	23.6	70 - 130	30
Benzene	ND	83	83	0.0	96	121	23.0	70 - 130	30
Ethylbenzene	ND	85	84	1.2	96	123	24.7	70 - 130	30
Isopropylbenzene	ND	82	81	1.2	95	122	24.9	70 - 130	30
m&p-Xylene	ND	84	84	0.0	97	124	24.4	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	85	86	1.2	99	124	22.4	70 - 130	30
Naphthalene	ND	84	86	2.4	104	129	21.5	70 - 130	30
n-Butylbenzene	ND	80	80	0.0	97	123	23.6	70 - 130	30
n-Propylbenzene	ND	78	76	2.6	96	120	22.2	70 - 130	30
o-Xylene	ND	83	83	0.0	97	124	24.4	70 - 130	30
p-Isopropyltoluene	ND	81	82	1.2	97	123	23.6	70 - 130	30
sec-Butylbenzene	ND	83	83	0.0	96	122	23.9	70 - 130	30
tert-Butylbenzene	ND	81	81	0.0	95	121	24.1	70 - 130	30
Toluene	ND	83	82	1.2	97	121	22.0	70 - 130	30
% 1,2-dichlorobenzene-d4	99	98	100	2.0	100	100	0.0	70 - 130	30
% Bromofluorobenzene	100	100	100	0.0	100	100	0.0	70 - 130	30
% Dibromofluoromethane	101	100	100	0.0	100	100	0.0	70 - 130	30
% Toluene-d8	100	99	100	1.0	101	100	1.0	70 - 130	30
Comment:									
A blank MS/MSD was analyzed with this batch.									
Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.									

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
February 24, 2015

Sample Criteria Exceedences Report

GBH74870 - JADEENV

Criteria: None

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

February 24, 2015

SDG I.D.: GBH74870

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

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

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

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

Temp 4 °C Pg of

Contact Options:
☐ Fax:
☐ Phone:
☑ Email:

Customer: JADE ENVIRONMENTAL, INC.
Address: 59 Circle Dr.
Hopewell Jct, NY 12533

Project: 4377 Bronx Blvd
Report to: Dave Pelleter
Invoice to: Same

Project P.O.:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 2/17/14

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

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOC x 8260	STARS List VOC x 8021	PPM 13	B/N x 8270	PCB's	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
74890	MW-1	GW	2/17		✓								2						
74891	MW-4	↓				✓							1						
74892	MW-5	↓	↓			✓							2						
74893	SB-1 (20')	S	↓			✓						1							
74894	SB-2 (2')	↓	↓				✓					1							
74895	SB-5 (18')	↓	↓			✓						1							
74896	SB-(2-5) Comp	↓	↓		✓		✓	✓	✓		1								
									Total		1	3	4						7

Header annotations: GL Soil container 4 oz; GL Soil container 2 oz; 40 ml VOA Vial HCl.

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	2-18-15	11:35
[signature]	[signature]	2/18/15	16:46

Comments, Special Requirements or Regulations:

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

RI
☐ Direct Exposure (Residential)
☐ GW
☐ Other

CT
☐ RCP Cert
☐ GW Protection
☐ SW Protection
☐ GA Mobility
☐ GB Mobility
☐ Residential DEC
☐ I/C DEC
☐ Other

MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

Data Format
☑ Excel
☑ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ Tier II Checklist
☐ Full Data Package*
☐ Phoenix Std Report
☐ Other
* SURCHARGE APPLIES

State where samples were collected: NY

Appendix C
Laboratory Report
Indoor Air Analysis

PHOENIX
Environmental Laboratories, Inc.

Tuesday, February 24, 2015

Attn: Mr. David Pelletier
Jade Environmental, Inc.
14 Ridgecrest Dr
Wingdale, NY 12594

Project ID: 4377 BRONX
Sample ID#s: BH74947 - BH74948

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

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

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

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

Sincerely yours,

Phyllis Shiller

Laboratory Director

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

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 24, 2015

FOR: Attn: Mr. David Pelletier
Jade Environmental, Inc.
14 Ridgecrest Dr
Wingdale, NY 12594

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:		02/17/15	13:15
Location Code:	JADEENV	Received by:	LPB	02/18/15	16:46
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	13652				

Laboratory Data

SDG ID: GBH74947
Phoenix ID: BH74947

Project ID: 4377 BRONX
Client ID:

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	02/19/15	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	02/19/15	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	02/19/15	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	02/19/15	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	02/19/15	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	02/19/15	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	02/19/15	KCA	TO15	
1,2,4-Trimethylbenzene	0.690	*0.204*	3.39	*1.00*	02/19/15	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	02/19/15	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	02/19/15	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	02/19/15	KCA	TO15	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	02/19/15	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	02/19/15	KCA	TO15	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	02/19/15	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	02/19/15	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	02/19/15	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	02/19/15	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	02/19/15	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	02/19/15	KCA	TO15	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	02/19/15	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	02/19/15	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	02/19/15	KCA	TO15	
Acetone	50.5	*2.11*	120	*5.01*	02/19/15	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	02/19/15	KCA	TO15	
Benzene	0.350	*0.313*	1.12	*1.00*	02/19/15	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	02/19/15	KCA	TO15	

Project ID: 4377 BRONX
Client ID:

Phoenix I.D.: BH74947

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND		*0.149*	ND	*1.00*	02/19/15	KCA	TO15	
Bromoform	ND		*0.097*	ND	*1.00*	02/19/15	KCA	TO15	
Bromomethane	ND		*0.258*	ND	*1.00*	02/19/15	KCA	TO15	
Carbon Disulfide	ND		*0.321*	ND	*1.00*	02/19/15	KCA	TO15	
Carbon Tetrachloride	0.104		*0.040*	0.65	*0.25*	02/19/15	KCA	TO15	
Chlorobenzene	ND		*0.217*	ND	*1.00*	02/19/15	KCA	TO15	
Chloroethane	ND		*0.379*	ND	*1.00*	02/19/15	KCA	TO15	
Chloroform	ND		*0.205*	ND	*1.00*	02/19/15	KCA	TO15	
Chloromethane	0.576		*0.485*	1.19	*1.00*	02/19/15	KCA	TO15	
Cis-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	02/19/15	KCA	TO15	
cis-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	02/19/15	KCA	TO15	
Cyclohexane	ND		*0.291*	ND	*1.00*	02/19/15	KCA	TO15	
Dibromochloromethane	ND		*0.118*	ND	*1.00*	02/19/15	KCA	TO15	
Dichlorodifluoromethane	0.415		*0.202*	2.05	*1.00*	02/19/15	KCA	TO15	
Ethanol	722	E	*2.66*	1360	*5.01*	02/19/15	KCA	TO15	1
Ethyl acetate	1.53		*0.278*	5.51	*1.00*	02/19/15	KCA	TO15	1
Ethylbenzene	ND		*0.230*	ND	*1.00*	02/19/15	KCA	TO15	
Heptane	ND		*0.244*	ND	*1.00*	02/19/15	KCA	TO15	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	02/19/15	KCA	TO15	
Hexane	ND		*0.284*	ND	*1.00*	02/19/15	KCA	TO15	
Isopropylalcohol	142		*2.04*	349	*5.01*	02/19/15	KCA	TO15	
Isopropylbenzene	ND		*0.204*	ND	*1.00*	02/19/15	KCA	TO15	
m,p-Xylene	0.761		*0.230*	3.30	*1.00*	02/19/15	KCA	TO15	
Methyl Ethyl Ketone	0.552		*0.339*	1.63	*1.00*	02/19/15	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	ND	*1.00*	02/19/15	KCA	TO15	
Methylene Chloride	ND		*0.288*	ND	*1.00*	02/19/15	KCA	TO15	
n-Butylbenzene	ND		*0.182*	ND	*1.00*	02/19/15	KCA	TO15	1
o-Xylene	0.307		*0.230*	1.33	*1.00*	02/19/15	KCA	TO15	
Propylene	13.6		*0.581*	23.4	*1.00*	02/19/15	KCA	TO15	1
sec-Butylbenzene	ND		*0.182*	ND	*1.00*	02/19/15	KCA	TO15	1
Styrene	ND		*0.235*	ND	*1.00*	02/19/15	KCA	TO15	
Tetrachloroethene	0.125		*0.037*	0.85	*0.25*	02/19/15	KCA	TO15	
Tetrahydrofuran	ND		*0.339*	ND	*1.00*	02/19/15	KCA	TO15	1
Toluene	1.03		*0.266*	3.88	*1.00*	02/19/15	KCA	TO15	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	02/19/15	KCA	TO15	
trans-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	02/19/15	KCA	TO15	
Trichloroethene	ND		*0.047*	ND	*0.25*	02/19/15	KCA	TO15	
Trichlorofluoromethane	0.190		*0.178*	1.07	*1.00*	02/19/15	KCA	TO15	
Trichlorotrifluoroethane	ND		*0.131*	ND	*1.00*	02/19/15	KCA	TO15	
Vinyl Chloride	ND		*0.098*	ND	*0.25*	02/19/15	KCA	TO15	
QA/QC Surrogates									
% Bromofluorobenzene	94		*%*	94	*%*	02/19/15	KCA	70 - 130 %	

Project ID: 4377 BRONX
Client ID:

Phoenix I.D.: BH74947

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

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

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

Comments:

E = Estimated value quantitated above calibration range for this compound.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 24, 2015
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 24, 2015

FOR: Attn: Mr. David Pelletier
Jade Environmental, Inc.
14 Ridgecrest Dr
Wingdale, NY 12594

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:		02/17/15	13:15
Location Code:	JADEENV	Received by:	LPB	02/18/15	16:46
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	475				

Laboratory Data

SDG ID: GBH74947
Phoenix ID: BH74948

Project ID: 4377 BRONX
Client ID: COMMON SOUTH

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	02/19/15	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	02/19/15	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	02/19/15	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	02/19/15	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	02/19/15	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	02/19/15	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	02/19/15	KCA	TO15	
1,2,4-Trimethylbenzene	0.888	*0.204*	4.36	*1.00*	02/19/15	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	02/19/15	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	02/19/15	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	02/19/15	KCA	TO15	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	02/19/15	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	02/19/15	KCA	TO15	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	02/19/15	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	02/19/15	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	02/19/15	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	02/19/15	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	02/19/15	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	02/19/15	KCA	TO15	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	02/19/15	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	02/19/15	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	02/19/15	KCA	TO15	
Acetone	40.1	*0.421*	95.2	*1.00*	02/19/15	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	02/19/15	KCA	TO15	
Benzene	0.336	*0.313*	1.07	*1.00*	02/19/15	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	02/19/15	KCA	TO15	

Project ID: 4377 BRONX
Client ID: COMMON SOUTH

Phoenix I.D.: BH74948

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND		*0.149*	ND	*1.00*	02/19/15	KCA	TO15	
Bromoform	ND		*0.097*	ND	*1.00*	02/19/15	KCA	TO15	
Bromomethane	ND		*0.258*	ND	*1.00*	02/19/15	KCA	TO15	
Carbon Disulfide	ND		*0.321*	ND	*1.00*	02/19/15	KCA	TO15	
Carbon Tetrachloride	0.103		*0.040*	0.65	*0.25*	02/19/15	KCA	TO15	
Chlorobenzene	ND		*0.217*	ND	*1.00*	02/19/15	KCA	TO15	
Chloroethane	ND		*0.379*	ND	*1.00*	02/19/15	KCA	TO15	
Chloroform	ND		*0.205*	ND	*1.00*	02/19/15	KCA	TO15	
Chloromethane	0.568		*0.485*	1.17	*1.00*	02/19/15	KCA	TO15	
Cis-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	02/19/15	KCA	TO15	
cis-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	02/19/15	KCA	TO15	
Cyclohexane	ND		*0.291*	ND	*1.00*	02/19/15	KCA	TO15	
Dibromochloromethane	ND		*0.118*	ND	*1.00*	02/19/15	KCA	TO15	
Dichlorodifluoromethane	0.416		*0.202*	2.06	*1.00*	02/19/15	KCA	TO15	
Ethanol	833	E	*0.531*	1570	*1.00*	02/19/15	KCA	TO15	1
Ethyl acetate	1.65		*0.278*	5.94	*1.00*	02/19/15	KCA	TO15	1
Ethylbenzene	ND		*0.230*	ND	*1.00*	02/19/15	KCA	TO15	
Heptane	ND		*0.244*	ND	*1.00*	02/19/15	KCA	TO15	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	02/19/15	KCA	TO15	
Hexane	ND		*0.284*	ND	*1.00*	02/19/15	KCA	TO15	
Isopropylalcohol	113	E	*0.407*	278	*1.00*	02/19/15	KCA	TO15	
Isopropylbenzene	ND		*0.204*	ND	*1.00*	02/19/15	KCA	TO15	
m,p-Xylene	0.530		*0.230*	2.30	*1.00*	02/19/15	KCA	TO15	
Methyl Ethyl Ketone	0.528		*0.339*	1.56	*1.00*	02/19/15	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	ND	*1.00*	02/19/15	KCA	TO15	
Methylene Chloride	ND		*0.288*	ND	*1.00*	02/19/15	KCA	TO15	
n-Butylbenzene	0.313		*0.182*	1.72	*1.00*	02/19/15	KCA	TO15	1
o-Xylene	ND		*0.230*	ND	*1.00*	02/19/15	KCA	TO15	
Propylene	12.3		*0.581*	21.2	*1.00*	02/19/15	KCA	TO15	1
sec-Butylbenzene	ND		*0.182*	ND	*1.00*	02/19/15	KCA	TO15	1
Styrene	ND		*0.235*	ND	*1.00*	02/19/15	KCA	TO15	
Tetrachloroethene	0.122		*0.037*	0.83	*0.25*	02/19/15	KCA	TO15	
Tetrahydrofuran	ND		*0.339*	ND	*1.00*	02/19/15	KCA	TO15	1
Toluene	0.829		*0.266*	3.12	*1.00*	02/19/15	KCA	TO15	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	02/19/15	KCA	TO15	
trans-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	02/19/15	KCA	TO15	
Trichloroethene	ND		*0.047*	ND	*0.25*	02/19/15	KCA	TO15	
Trichlorofluoromethane	0.184		*0.178*	1.03	*1.00*	02/19/15	KCA	TO15	
Trichlorotrifluoroethane	ND		*0.131*	ND	*1.00*	02/19/15	KCA	TO15	
Vinyl Chloride	ND		*0.098*	ND	*0.25*	02/19/15	KCA	TO15	
QA/QC Surrogates									
% Bromofluorobenzene	93		*%*	93	*%*	02/19/15	KCA	70 - 130 %	

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

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

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

Comments:

E = Estimated value quantitated above calibration range for this compound.

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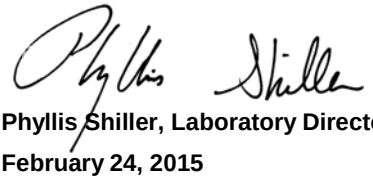

Phyllis Shiller, Laboratory Director
February 24, 2015
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

NY # 11301

QA/QC Report

February 24, 2015

QA/QC Data

SDG I.D.: GBH74947

Parameter	Blank ppbv	Blank ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 299679, QC Sample No: BH74947 (BH74947 (1X, 5X) , BH74948)											
Volatiles											
1,1,1,2-Tetrachloroethane	ND	ND	152	ND	ND	ND	ND	NC	70 - 130	20	I
1,1,1-Trichloroethane	ND	ND	114	ND	ND	ND	ND	NC	70 - 130	20	
1,1,2,2-Tetrachloroethane	ND	ND	98	ND	ND	ND	ND	NC	70 - 130	20	
1,1,2-Trichloroethane	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20	
1,1-Dichloroethane	ND	ND	95	ND	ND	ND	ND	NC	70 - 130	20	
1,1-Dichloroethene	ND	ND	91	ND	ND	ND	ND	NC	70 - 130	20	
1,2,4-Trichlorobenzene	ND	ND	60	ND	ND	ND	ND	NC	70 - 130	20	I
1,2,4-Trimethylbenzene	ND	ND	86	3.39	3.18	0.690	0.647	6.4	70 - 130	20	
1,2-Dibromoethane(EDB)	ND	ND	105	ND	ND	ND	ND	NC	70 - 130	20	
1,2-Dichlorobenzene	ND	ND	81	ND	ND	ND	ND	NC	70 - 130	20	
1,2-Dichloroethane	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20	
1,2-dichloropropane	ND	ND	105	ND	ND	ND	ND	NC	70 - 130	20	
1,2-Dichlorotetrafluoroethane	ND	ND	97	ND	ND	ND	ND	NC	70 - 130	20	
1,3,5-Trimethylbenzene	ND	ND	90	ND	ND	ND	ND	NC	70 - 130	20	
1,3-Butadiene	ND	ND	90	ND	ND	ND	ND	NC	70 - 130	20	
1,3-Dichlorobenzene	ND	ND	85	ND	ND	ND	ND	NC	70 - 130	20	
1,4-Dichlorobenzene	ND	ND	86	ND	ND	ND	ND	NC	70 - 130	20	
1,4-Dioxane	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20	
2-Hexanone(MBK)	ND	ND	120	ND	ND	ND	ND	NC	70 - 130	20	
4-Ethyltoluene	ND	ND	90	ND	ND	ND	ND	NC	70 - 130	20	
4-Isopropyltoluene	ND	ND	110	ND	ND	ND	ND	NC	70 - 130	20	
4-Methyl-2-pentanone(MIBK)	ND	ND	108	ND	ND	ND	ND	NC	70 - 130	20	
Acetone	ND	ND	92	109	109	46.0	46.0	0.0	70 - 130	20	
Acrylonitrile	ND	ND	99	ND	ND	ND	ND	NC	70 - 130	20	
Benzene	ND	ND	96	1.12	1.11	0.350	0.347	0.9	70 - 130	20	
Benzyl chloride	ND	ND	121	ND	ND	ND	ND	NC	70 - 130	20	
Bromodichloromethane	ND	ND	118	ND	ND	ND	ND	NC	70 - 130	20	
Bromoform	ND	ND	136	ND	ND	ND	ND	NC	70 - 130	20	I
Bromomethane	ND	ND	96	ND	ND	ND	ND	NC	70 - 130	20	
Carbon Disulfide	ND	ND	94	ND	ND	ND	ND	NC	70 - 130	20	
Carbon Tetrachloride	ND	ND	127	0.65	0.65	0.104	0.103	1.0	70 - 130	20	
Chlorobenzene	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20	
Chloroethane	ND	ND	94	ND	ND	ND	ND	NC	70 - 130	20	
Chloroform	ND	ND	99	ND	ND	ND	ND	NC	70 - 130	20	
Chloromethane	ND	ND	91	1.19	1.21	0.576	0.584	1.4	70 - 130	20	
Cis-1,2-Dichloroethene	ND	ND	97	ND	ND	ND	ND	NC	70 - 130	20	
cis-1,3-Dichloropropene	ND	ND	112	ND	ND	ND	ND	NC	70 - 130	20	
Cyclohexane	ND	ND	92	ND	ND	ND	ND	NC	70 - 130	20	
Dibromochloromethane	ND	ND	127	ND	ND	ND	ND	NC	70 - 130	20	
Dichlorodifluoromethane	ND	ND	97	2.05	1.85	0.415	0.375	10.1	70 - 130	20	
Ethanol	ND	ND	>200	1130	1140	598	605	1.2	70 - 130	20	I

QA/QC Data

SDG I.D.: GBH74947

Parameter	Blank ppbv	Blank ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethyl acetate	ND	ND	88	5.51	5.47	1.53	1.52	0.7	70 - 130	20
Ethylbenzene	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20
Heptane	ND	ND	98	ND	ND	ND	ND	NC	70 - 130	20
Hexachlorobutadiene	ND	ND	78	ND	ND	ND	ND	NC	70 - 130	20
Hexane	ND	ND	95	ND	ND	ND	ND	NC	70 - 130	20
Isopropylalcohol	ND	ND	104	310	312	126	127	0.8	70 - 130	20
Isopropylbenzene	ND	ND	111	ND	ND	ND	ND	NC	70 - 130	20
m,p-Xylene	ND	ND	101	3.30	2.92	0.761	0.674	12.1	70 - 130	20
Methyl Ethyl Ketone	ND	ND	96	1.63	1.66	0.552	0.563	2.0	70 - 130	20
Methyl tert-butyl ether(MTBE)	ND	ND	96	ND	ND	ND	ND	NC	70 - 130	20
Methylene Chloride	ND	ND	90	ND	ND	ND	ND	NC	70 - 130	20
n-Butylbenzene	ND	ND	120	ND	ND	ND	ND	NC	70 - 130	20
o-Xylene	ND	ND	98	1.33	1.15	0.307	0.266	14.3	70 - 130	20
Propylene	ND	ND	103	23.4	24.3	13.6	14.1	3.6	70 - 130	20
sec-Butylbenzene	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
Styrene	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
Tetrachloroethene	ND	ND	104	0.85	0.85	0.125	0.126	0.8	70 - 130	20
Tetrahydrofuran	ND	ND	116	ND	ND	ND	ND	NC	70 - 130	20
Toluene	ND	ND	103	3.88	3.84	1.03	1.02	1.0	70 - 130	20
Trans-1,2-Dichloroethene	ND	ND	97	ND	ND	ND	ND	NC	70 - 130	20
trans-1,3-Dichloropropene	ND	ND	127	ND	ND	ND	ND	NC	70 - 130	20
Trichloroethene	ND	ND	102	ND	ND	ND	ND	NC	70 - 130	20
Trichlorofluoromethane	ND	ND	100	1.07	1.08	0.190	0.192	1.0	70 - 130	20
Trichlorotrifluoroethane	ND	ND	93	ND	ND	ND	ND	NC	70 - 130	20
Vinyl Chloride	ND	ND	93	ND	ND	ND	ND	NC	70 - 130	20
% Bromofluorobenzene	97	97	95	93.5	95	93.5	95	1.6	70 - 130	20

I = This parameter is outside laboratory lcs/lcsd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
February 24, 2015

Sample Criteria Exceedences Report

GBH74947 - JADEENV

Criteria: None

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

CHAIN OF CUSTODY RECORD AIR ANALYSES

PHOENIX Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-1102

Data Delivery:
☐ Fax #: _____
☐ Email: _____

Report to:	Jade Environmental	Invoice to:	Same	Project Name:	4377 Bro
Address:	59 Creek Dr.	Address:		Location:	
Project Mgr:	Hopewell Jct, NY 12533	P.O. #		State:	NY
Phone #	Dave Pellegrini 914 882 6074	Quote #		Sampled by:	DP

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)		TO-14	TO-15				Is Canister Returned Unused? Y/N
		LAB USE ONLY											MATRIX				ANALYSES					
74947		13652	6	-30	-0	4960	0	11:30	1:15	2/17	-30	-0	✓					✓				
74948		475	6	-30	-0	2867	0	11:30	1:15	2/17	-30	-0	✓					✓				

Relinquished by:	Accepted by:	Date:	Time:
		2/18	11:35
		2/19/15	10:46

Criteria Requested: Deliverable:
RCP ☐
MCP ☐
State where samples collected: _____

Data Format:
Excel ☐ Equis ☐
PDF ☐ Other: ☐
GISKey ☐

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:
< 6L 1hr - per L.A.

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Signature: _____ Date: _____