AEI Consultants
Environmental & Engineering Services

September 22, 2011

PHASE II
SUBSURFACE INVESTIGATION

Property Identification:
Pierce Arrow
1695 Elmwood Avenue
Buffalo, New York 14207

AEI Project No. 299363

Prepared for:
Pierce Arrow Holding LLC
948 45th Street
Brooklyn, New York 11219

Prepared by:
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Wednesday, September 22, 2011

Mr. Joseph Hecht
Pierce Arrow Holding LLC
948 45th Street
Brooklyn, New York 11219

Subject: Phase II Subsurface Investigation Report
1695 Elmwood Avenue
Buffalo, New York 14207
AEI Project Number 299363

Dear Mr. Hecht:

The following report describes the activities and results of the Phase II Subsurface Investigation (Phase II) performed by AEI Consultants (AEI) at the above referenced property (subject property) (Figure 1: Site Location Map).

Based on the findings and recommendations of a previous Phase I Environmental Site Assessment (Phase I) conducted by AEI in July of 2011 (further discussed below), this investigation was performed to determine if the subsurface in the vicinity of the subject property may have been impacted by the following items of concern identified in the previous Phase I:

- Historical industrial activities.
- Operation of an electric transformer reported to be the original transformer installed at the subject property.
- Staining observed in the vicinity of a drain in the pit beneath the elevator in the subject property building.

This investigation included the installation of nine (9) borings to collect soil samples. The borings were advanced to a depth of 12 feet below ground surface (bgs). Groundwater was not encountered. The work was performed on August 16, 2011 in accordance with the scope of work outlined in a proposal dated August 2, 2011.

Please refer to Figure 2: Boring Location Map for a representation of boring locations.

I Site Description

The subject property is a 1.53-acre parcel located on the northeast corner of Elmwood Avenue and Great Arrow Avenue in the City of Buffalo, Erie County, New York. The subject property is improved with a three-story building with a basement.

II Previous Investigations

Phase I Environmental Site Assessment, prepared by AEI (July 2011):

AEI completed a Phase I for the subject property (AEI Project No. 297882) on July 8, 2011. During the completion of the Phase I the following recognized environmental conditions (RECs) that warranted further investigation were identified:

- Areas of the subject property have been occupied by a series of tenants that likely utilized the spaces for industrial purposes since at least 1938. These tenants include a tool and die manufacturer, cleaning compound manufacturers, chemical laboratories, machine shop, dry cleaning facilities and numerous other light industrial tenants. No other information was available regarding the historical operations of these facilities. These tenants likely stored and/or utilized petroleum products and other hazardous materials including hydraulic fluids and cleaning solvents. Due to the duration of industrial use, the unknown operations performed onsite, and the likely use of petroleum products and hazardous substances, all under circumstances outside of regulatory agency oversight (prior to modern oversight standards), it is likely that the historical use of the property has resulted in a release of hazardous substances or petroleum products to the subsurface of the subject property and represents a REC.
- One pad mounted transformer is located in the sub-grade basement of the subject property building. The transformer was reportedly the original transformer for the building and is still used in combination with a newer transformer for the building. Based on the presumed date of installation, the transformer is expected to contain polychlorinated biphenyls (PCBs). The presence of the historic transformer that is likely to contain hazardous materials represents a REC.

- Significant staining and pooling of unidentified liquids was observed in the vicinity of the drain located within the elevator pit adjacent to the former furniture woodworking shop. Due to the age of the building and the unknown integrity of the drain lines, the floor drain has the potential to act as a conduit to the subsurface of the subject property for any materials that are spilled around or discharged into the drain lines. Based on the quantity of staining and pooling liquids observed in combination with the presence of a floor drain, AEI is unable to rule out the potential that a release to the subsurface of the subject property has occurred.

In order to address the RECs identified in the previous Phase I, AEI proposed to conduct the following scope of work:

- Advance nine (9) borings to a depth of eight (8) feet below grade surface (bgs) or to refusal, whichever is encountered first, in a linear grid throughout the basement area of the subject property building. The borings will be spaced approximately 50 feet apart.
- Collect and analyze a total of nine (9) soil samples to be analyzed for volatile organic compounds (VOCs) via EPA Method 8260, semi-VOCs (SVOCS) via EPA Method 8270, and Priority Pollutant Metals (PP-Metals) via EPA Method 6010.

- Conduct an inspection of the transformer room and elevator pit for safety and access considerations. Once the transformer room is considered safe for entry, the area should be inspected for the presence of possible subsurface conduits including floor drains and cracks in the concrete slab. Advance one of the borings in the transformer room biased toward an area of obvious staining or cracks within the transformer room where a release may reach the subsurface. If there is no evidence of leaks, staining, cracked floors, etc., then no sampling will be required from this area.
- If collected, further analyze the sample from the transformer room for PCBs via EPA Method 8082.
- Advance another of the borings adjacent to the floor drain within the elevator pit.
- Further analyze the sample from the elevator room for PCBs via EPA Method 8082.

III Investigative Efforts

Pre-Drilling Activities

SJB Services, Inc. (SJB) was contracted to notify dig alert and to identify public utilities in the work area at least 72 hours prior to field activities. A Site Specific Health and Safety Plan (HASP) was prepared and reviewed on site prior to field activities.

Drilling Locations

The subject property owners requested that AEI not install the borings within the interior of the subject property building as the activity would entail coring through the concrete floor. As such the lack of access to the interior of the building does represent a limitation; however, AEI determined that analytical results from samples collected from borings advanced immediately adjacent to the building would be acceptable to determine if a significant release had occurred at the site. AEI drilled and logged a total of nine (9) exterior borings at the property on August 16, 2011. The borings were advanced with a track mounted, limited access direct push probe drill rig to a depth of 12 feet bgs.

The borings were advanced at the following locations:

- Boring AEI-B1 - East side of the building immediately adjacent to the transformer room and elevator pit.
- Boring AEI-B2 - 40 feet south of AEI-B1.
- Boring AEI-B3 – South side of the building.
- Borings AEI-B4 through AEI-B6 were advanced along the west side of the building.
- Boring AEI-B7 – North side of the building.
- Boring AEI-B8 – 60 feet south of the northeast corner of the building; and
- Boring AEI-B9 - East side of the building immediately adjacent to the boiler room.

Each boring was advanced to 12 feet bgs. The original scope proposed that borings be advanced to eight (8) feet beneath the basement floor. As the basement was discovered to be only a partial basement (approximately four feet bgs), the investigation borings were

advanced to a depth of 12 feet bgs. Groundwater was not encountered in any of the borings.

Please refer to Figure 2: Boring Location Map for a representation of boring locations.

Soil Sample Collection

Soil cores were collected with a 2" diameter stainless steel corer fitted with acrylic liners. The borings were advanced in four-foot increments. After each advance, the corer was withdrawn and the acrylic liner containing the soil core was removed. Each soil core was measured and examined for odors or stains, and screened with a photoionization detector (PID). The PID was properly calibrated to 100 parts per million (ppm) of isobutylene prior to conducting the investigation. This information including the lithology of each core was recorded. A soil sample was collected from the portion of the soil column that exhibited the highest PID reading or was observed to be obviously stained. If PID readings were insignificant, and no staining was observed, then a soil sample was collected from the terminal depth of the coring.

Except for the soil in boring AEI-B9, the soil in each of the borings exhibited no odors or visible staining. PID readings in these borings (AEI-B1 through AEI-B8) were negligible. The PID readings in the soil column at boring location AEI-B9 were as high as 128 PID units. Portions of the soil from this boring also appeared stained and had a significant petroleum odor. In addition, the drill rig operator reported that the corer appeared to "glance off something" as it was being advanced.

The soil characteristics were consistent in each of the borings: Fill material immediately below surface level followed by one to three feet of soft to moderately stiff clay. From four feet bgs to the terminal boring depth of 12 feet bgs, the soil consisted of very stiff to extremely stiff clay with some hard clay layers (the drill rig operator stated that the extremely stiff clay that was encountered continued to approximately 50 feet bgs based on past experience with the area). As PID readings were negligible in soil columns AEI-B1 through AEI-B8 and the extremely stiff clay below four feet bgs would inhibit vertical migration, the samples were collected from the softer clay portions of the soil columns just above the stiff clay layers. The AEI-B9 boring sample was collected from the depth that exhibited the greatest odor and PID reading.

Attachment A: Boring Logs, provides details on the soils observed in each boring as well as soil screening detail.

The soil samples were containerized in laboratory supplied bottle ware, labeled with a unique identifier, and immediately placed on ice and cooled in an ice chest to 4°C for shipment under chain of custody to the laboratory. At the completion of each boring, the boring was backfilled according to applicable regulations and topped with asphalt.

Groundwater Sample Collection

Groundwater was not encountered at any of the boring locations.

Boring Destruction

All borings were backfilled with cuttings topped with asphalt.

Laboratory Analysis

The soil samples were transported on August 17, 2011, to Aqua Pro-Tech Laboratories for analysis under chain of custody protocol. Analytical results and chain of custody documents are included as Attachment B, Sample Analytical Documentation.

Each sample was analyzed for VOCs via EPA Method 8260, for SVOCs via EPA Method 8270 and for PP-Metals via EPA Method 6010. Sample AEI-B1 was further analyzed for PCBs via EPA Method 8082.

IV Findings

Lithology

According to information obtained from the US Geological Survey (USGS), the area surrounding the Subject Property is underlain by deposits of the Paleozoic-era. Based on a review of the United States Department of Agriculture (USDA) Soil Survey for the area of the subject property, the soils in the vicinity of the subject property are classified as Urban Land. The Urban Land designation indicates that more than 85 percent of the original soils have been disturbed or covered by paved surfaces, buildings or other structures. Because of the variability of the soil material, onsite investigation would be required to determine the specific soil composition at the subject property.

Based on borings advanced during this investigation, the native soil beneath the site consists of soft to moderately stiff orange brown clay with some very stiff to extremely stiff reddish clay at deeper levels.

Groundwater was not encountered at any of the boring location.

Boring Logs are presented in Attachment A.

Soil Sample Analytical Results

VOCs:
Concentrations VOCs were detected in soil samples from borings AEI-B2, AEI-B8 and AEI-B9. Only one VOC compound was detected in soil sample AEI-B2 (naphthalene) and AEI-B8 (cis-1,2-dichloroethene). Twelve (12) VOC compounds that are associated with petroleum products were detected in soil sample AEI-B9 (collected adjacent to the boiler room). The concentration of each detected VOC was well below its respective New York State Department of Environmental Conservation (NYSDEC) Recommended Soil Cleanup Objective (RSCO) for Restricted Residential Land Use. No concentrations of VOCs were detected in any of the other soil samples.

Please refer to Table 1: Soil Sampling Analytical Results - VOCs for laboratory analytical results compared to their respective NYSDEC RSCOs.

SVOCs:
Concentrations of SVOCs were detected in each of the nine soil samples. Most of the SVOCs that were detected are classified as polycyclic aromatic hydrocarbons (PAHs). The concentration of several SVOCs exceeded their respective NYSDEC RSCO for Restricted Residential Land Use in all but two of the soil samples (AEI-B1 and AEI-B4). The concentration of one PAH, benzo-a-pyrene, was in excess of its respective Industrial RSCO in soil sample AEI-B8. The SVOC 2-methylnaphtahlene, which is associated with petroleum products, was found only at boring location AEI-B9 that was collected from adjacent to the boiler room.

Please refer to Table 2: Soil Sampling Analytical Results - SVOCs for laboratory analytical results compared to their respective NYSDEC RSCOs.

Metals:
Concentrations of metals were detected in each of the soil samples collected at the subject property. Concentrations of arsenic and chromium were found in excess of their respective NYSDEC RSCO for Restricted Residential Land Use, but below their Industrial Land Use RSCO. The concentration of arsenic exceeded this value in each of the samples. The concentration of chromium exceeded its respective RSCO in soil samples from boring locations AEI-B1, AEI-B22, AEI-B8 and AEI-B9. Chromium was not detected in sample AEI-B5 and was below its Restricted Residential Land Use RSCO in the remaining samples.

Please refer to Table 3: Soil Sampling Analytical Results - Metals for laboratory analytical results compared to their respective NYSDEC RSCOs.

PCBs:
No concentrations of metals were detected in soil sample AEI-B1.

Please refer to Table 4: Soil Sampling Analytical Results - PCBs for laboratory analytical results compared to their respective NYSDEC RSCOs.

V Summary and Conclusions

The purpose of this Phase II investigation was to determine if the subsurface in the vicinity of the subject property may have been impacted by the following items of concern identified during the previous Phase I:

- Historical industrial activities.
- Operation of an electric transformer reported to be the original transformer installed at the subject property.
- Staining observed in the vicinity of a drain in the pit beneath the elevator in the subject property building.

Based on the results of the soil sampling and analysis conducted at the subject property, it appears that the subsurface may have been impacted.

During the previous Phase I, AEI reviewed documents that summarized environmental investigations of neighboring properties including the Pierce Arrow properties to the east of the subject property. This review found that sampling results of soil collected from the adjacent Pierce Arrow property also indicated concentrations of PAHs and metals in excess of their respective Restricted Residential Land Use RSCO similar to the PAH and metals concentrations detected in the soil samples collected at the subject property. As such, the potential exists that the industrial and manufacturing operations that were historically conducted at the adjacent property to the east may have contributed to the impacts identified at the subject property than the historical uses of the building at the subject property. Based on this information as well as the fact that the concentrations of SVOCs, although above the Restricted Residential Land Use RSCO, were below the Industrial Land Use RSCO, no further action appears to be required for the SVOCs and metals issue. AEI recommends no further investigations for the SVOCs and metals unless redevelopment of the subject property is planned. At such time, AEI recommends that more extensive sampling be conducted to fully delineate the extent of the impact of SVOCs and metals so that a comprehensive remediation plan may be developed and implemented.

In addition, based on the following evidence, AEI determined that the potential may exist that an underground storage tank (UST) may be located adjacent to the boiler room at the subject property:

- Stained soil with a strong petroleum odor and elevated PID readings at boring location AEI-B9.
- VOC compounds and the SVOC 2-methylnaphthalene that are associated with petroleum products were found only in the soil sample collected from this location.
- The observation of the drill rig operator that the corer “glanced off something” during the collection of soil at boring location AEI-B9.

Based on this information, AEI recommended that additional investigation be conducted to confirm whether or not an UST exists. On September 20, 2011 the subject property owners employed the services of a backhoe to excavate a four foot square hole to a depth of four feet in the vicinity of boring location AEI-B9. An UST was not encountered during this activity. It should be noted that AEI was not on site to directly observe the excavation work; however, AEI was able to confirm the findings of the excavation based on provided photographs, and it was confirmed that the excavation was conducted in the area of boring AEI-B9.

As the excavation did not encounter an UST, and the concentrations of petroleum compounds that are associated with petroleum products were well below their respective NYSDEC RSCOs, AEI recommends no further investigation with respect to the suspected UST at this time.

VII Report Limitation

This report presents a summary of work completed by AEI Consultants. The completed work includes observations and descriptions of site conditions encountered. Where appropriate, it includes analytical results for samples taken during the course of the work. The number and location of samples are chosen to provide the requested information, but it cannot be assumed that they are representative of areas not sampled. All conclusions and/or recommendations are based on these analyses and observations, and the governing regulations. Conclusions beyond those stated and reported herein should not be inferred from this document.

These services were performed in accordance with generally accepted practices, in the environmental engineering and construction field, which existed at the time and location of the work.

If there are any questions regarding our investigation, please do not hesitate to contact either of the undersigned at (201) 332-1844.

Sincerely,
AEI Consultants

Michael Taormina
Senior Project Manager, CHMM

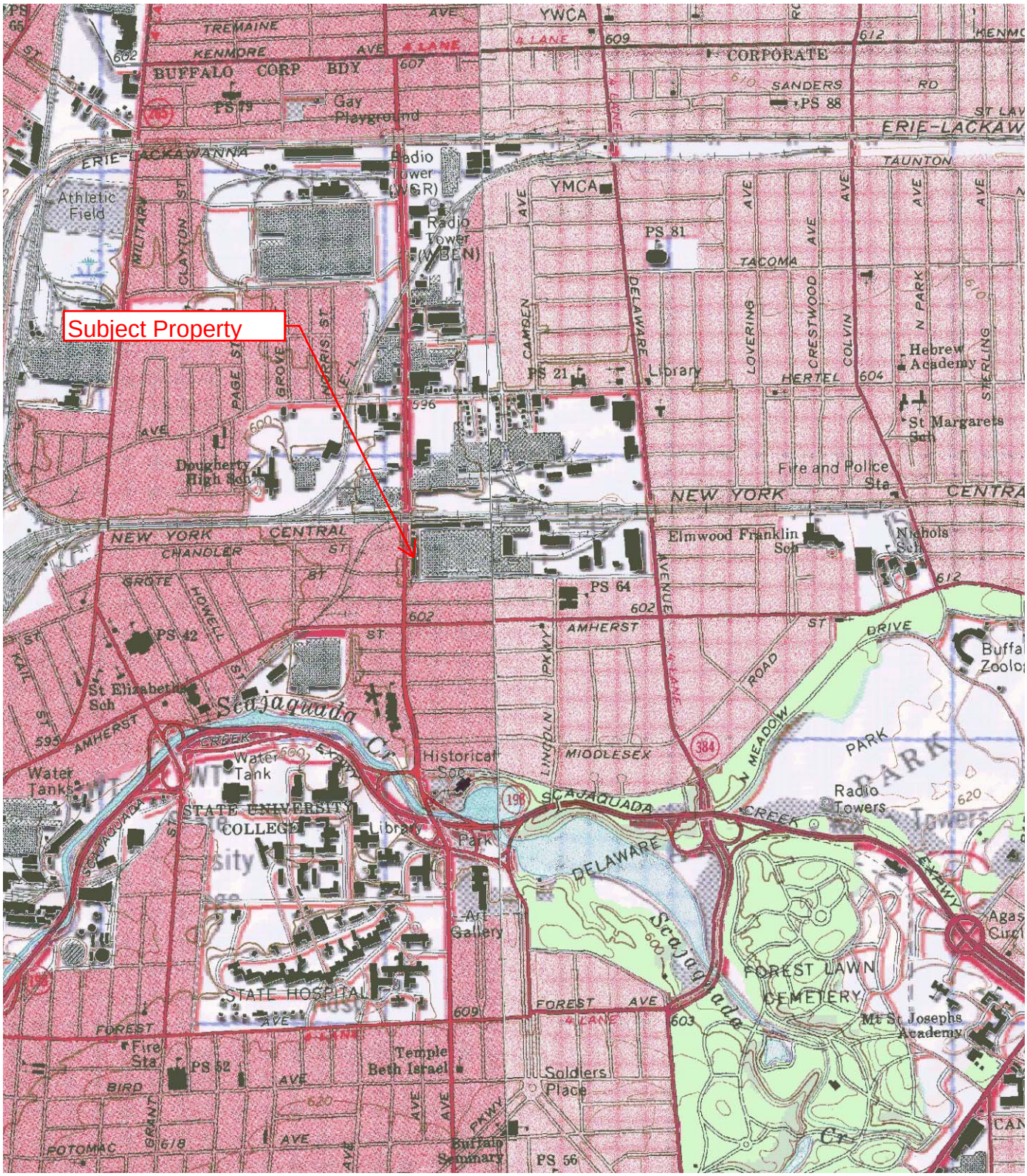
Paul Hinkston
Senior Author

Figures
Figure 1: Site Map
Figure 2: Boring Location Map

Tables
Table 1: Soil Sampling Analytical Results – VOCs
Table 2: Soil Sampling Analytical Results – SVOCs
Table 3: Soil Sampling Analytical Results – Metals
Table 4: Soil Sampling Analytical Results – PCBs

Appendices
Appendix A: Boring Logs
Appendix B: Sample Analytical Documentation

FIGURES



SITE LOCATION MAP

1695 Elmwood Avenue, Buffalo, NY 14207

N

FIGURE 1

Source: USGS

Project Number: 299363

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BORING LOCATION MAP

1695 Elmwood Avenue, Buffalo, NY 14207

N

Legend

Approximate Property Boundary

Soil Boring

Transformer T

FIGURE 2

Project Number: 299363

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TABLES

TABLE 1

SOIL SAMPLING ANALYTICAL RESULTS - VOCs
Pierce Arrow Holdings
1695 Elmwood Avenue
Buffalo, New York, 14207
Project # 299363

Sample ID:	AEI-B1	AEI-B2	AEI-B3	AEI-B4	AEI-B5	AEI-B6	AEI-B7	AEI-B8	AEI-B9	NYDEC Soil Recommended Soil Cleanup Objective	
Sample Date:	8/16/2011	8/16/2011	8/16/2011	8/16/2011	8/16/2011	8/16/2011	8/16/2011	8/16/2011	8/16/2011		
Sample Depth (feet bgs)	6	4	5.5	6	8.5	5	6	5.5	6.5		
VOCs via EPA Method 8260:										Res. Resident.	Industrial
Cyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	0.001	NR	NR
Methylcyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	0.104	NR	NR
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	0.0069	21	400
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	0.0019	41	780
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	0.0033	100*	100*
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	0.005	100	1000
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	0.0015	52	380
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	0.0056	52	380
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	0.0076	100	1000
4-Isopropyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	0.0011	NR	NR
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	0.0127	100	1000
Naphthalene	ND	0.0105	ND	ND	ND	ND	ND	ND	0.112	100	1000
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	0.0020	ND	100	1000
All Other VOCs	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A

Notes:

All Results in mg/kg (ppm)
Unless marked (*), RSCOs are based on Restricted Residential (Res. Resid.) and Industrial RSCOs
Concentrations above Restricted Residential RSCOs are in **bold**.
Concentrations above Industrial RSCOs are in ***bold italics***.
ND = Non Detect
NR = Not Regulated
NA = Not Analyzed
N/A = Not Applicable

TABLE 2

SOIL SAMPLING ANALYTICAL RESULTS - SVOCs
Pierce Arrow Holdings
1695 Elmwood Avenue
Buffalo, New York, 14207
Project # 299363

Sample ID:	AEI-B1	AEI-B2	AEI-B3	AEI-B4	AEI-B5	AEI-B6	AEI-B7	AEI-B8	AEI-B9	NYDEC Soil Recommended Soil Cleanup Objective	
Sample Date:	8/16/2011	8/16/2011	8/16/2011	8/16/2011	8/16/2011	8/16/2011	8/16/2011	8/16/2011	8/16/2011		
Sample Depth (feet bgs)	6	4	5.5	6	8.5	5	6	5.5	6.5		
SVOCs via EPA Method 8270:										Res. Resident.	Industrial
Bis(2-ethylhexyl)phthalate	0.0608	0.217	0.235	ND	0.210	0.0663	0.083	ND	0.213	50*	50*
Dimethylphthalate	0.278	0.331	ND	0.128	ND	0.200	0.115	0.259	ND	100*	100*
Diethylphthalate	0.111	0.164	ND	ND	ND	0.109	ND	ND	ND	100*	100*
Di-n-octylphthalate	ND	ND	ND	0.0801	ND	ND	0.102	ND	ND	100*	100*
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	0.116	ND	410	43000
Acenaphthene	ND	0.0982	ND	ND	**0.231**	ND	ND	**1.060**	ND	410	43000
Dibenzofuran	ND	ND	ND	ND	**0.194**	ND	ND	**0.441**	ND	0.01	1700
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	**1.62**	0.41*	0.41*
Fluorene	ND	0.0822	ND	ND	0.324	ND	ND	1.920	1.060	270	29000
Phenanthrene	ND	0.476	0.520	ND	2.500	0.0852	0.232	9.270	2.090	200	22000
Anthracene	ND	0.157	0.0908	ND	0.554	ND	0.0708	2.700	0.655	2000	65000
Carbazole	ND	ND	ND	ND	0.353	ND	ND	0.942	ND	NR	NR
Fluoranthene	0.0515	0.564	0.626	ND	2.350	0.229	0.211	ND	0.992	270	29000
Pyrene	0.0506	0.512	0.681	ND	2.020	0.225	0.177	8.060	0.965	200	22000
Benzo(a)anthracene	0.0468	**0.414**	**0.475**	ND	**1.150**	**0.169**	**0.133**	**7.990**	**0.415**	0.1	11
Chrysene	ND	0.324	0.397	ND	0.891	0.137	0.118	**8.210**	0.331	1	110
Benzo(b)fluoranthene	0.0420	**0.344**	**0.350**	ND	**1.010**	**0.165**	**0.111**	**9.080**	**0.420**	0.1	11
Benzo(k)fluoranthene	ND	0.139	0.159	ND	0.325	0.046	ND	**3.910**	0.132	1	110
Benzo(a)pyrene	ND	**0.304**	**0.313**	ND	**0.794**	**0.129**	**0.0859**	***5.270***	**0.369**	0.01	1.1
Indeno(1,2,3-c,d)pyrene	ND	**0.133**	**0.145**	ND	**0.434**	0.0534	0.0484	**2.290**	**0.221**	0.1	11
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	**0.720**	ND	0.01	1.1
Benzo(g,h,i)perylene	ND	0.153	0.176	ND	0.508	0.0659	0.0446	2.370	0.298	200	22000
All Other Targeted SVOCs	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A
Tentatively identified compounds	0.691	1.947	4.170	4.148	1.600	1.644	3.036	29.910	55.230	NR	NR

Notes:
All Results in mg/kg (ppm)
Unless marked (*), RSCOs are based on Restricted Residential (Res. Resid.) and Industrial RSCOs
SVOCs with no Restricted Residential or Industrial guidelines are based on residential RSCOs
Concentrations above Restricted Residential RSCOs are in **bold**.
Concentrations above Industrial RSCOs are in ***bold italics***.
ND = Non Detect NR = Not Regulated
NA = Not Analyzed N/A = Not Applicable

TABLE 3

SOIL SAMPLING ANALYTICAL RESULTS - Metals
Pierce Arrow Holdings
1695 Elmwood Avenue
Buffalo, New York, 14207
Project # 299363

Sample ID:	AEI-B1	AEI-B2	AEI-B3	AEI-B4	AEI-B5	AEI-B6	AEI-B7	AEI-B8	AEI-B9	NYDEC Soil	
Sample Date:	8/16/2011	8/16/2011	8/16/2011	8/16/2011	8/16/2011	8/16/2011	8/16/2011	8/16/2011	8/16/2011	Recommended Soil	
Sample Depth	6	4	5.5	6	8.5	5	6	5.5	6.5	Cleanup Objective	
Metals via EPA Method 6010:										Res. Resident.	Industrial
Lead	36.3	11.9	24.3	8.67	68.9	57.2	31.1	26.6	30.4	400	3900
Mercury	ND	0.036	0.22	ND	ND	0.147	0.034	0.085	0.081	0.81	5.7
Nickel	29.7	21.8	20.1	26.5	14.5	21.3	37.5	16.4	15.9	140	27000
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	36	6800
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	5*	5*
Antimony	2.68	1.43	4.73	3.83	3.6	3.58	ND	0.384	3.77	12*	12*
Arsenic	**4.9**	**2.31**	**2.32**	**2.42**	**2.42**	**2.92**	**1.77**	**1.22**	**0.802**	0.21	12
Beryllium	0.78	0.483	ND	0.251	1.19	0.216	0.931	0.597	0.118	14	2700
Cadmium	ND	ND	ND	ND	0.302	ND	ND	ND	ND	0.86	60
Chromium	**23.3**	20.3	19.7	21.9	15.5	20.4	**33.3**	**25**	**23.7**	22	800
Cobalt	ND	ND	ND	ND	ND	ND	ND	ND	ND	20*	20*
Copper	27.6	33.4	31.9	24.2	39.5	47.6	32.4	18.1	42.8	270	190000
Zinc	91.3	67.6	57.5	58	77.5	83	92.5	108	75.1	NR	NR

Notes:
All Results in mg/kg (ppm)
Unless marked (*), RSCOs are based on Restricted Residential (Res. Resid.) and Industrial RSCOs
Concentrations above Restricted Residential RSCOs are in **bold**.
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ND = Non Detect
NR = Not Regulated
NA = Not Analyzed
N/A = Not Applicable

TABLE 4

SOIL SAMPLING ANALYTICAL RESULTS - PCBs
Pierce Arrow Holdings
1695 Elmwood Avenue
Buffalo, New York, 14207
Project # 299363

Sample ID:	AEI-B1	AEI-B2	AEI-B3	AEI-B4	AEI-B5	AEI-B6	AEI-B7	AEI-B8	AEI-B9	NYDEC Soil Recommended Soil Cleanup Objective	
Sample Date:	8/16/2011	8/16/2011	8/16/2011	8/16/2011	8/16/2011	8/16/2011	8/16/2011	8/16/2011	8/16/2011		
Sample Depth (feet bgs)	6	4	5.5	6	8.5	5	6	5.5	6.5		
PCBs via EPA Method 8082:										Res. Resident.	Industrial
All PCBs	ND	NA	NA	NA	NA	NA	NA	NA	0. NA	N/A	N/A

Notes:

All Results in mg/kg (ppm)
Unless marked (*), RSCOs are based on Restricted Residential (Res. Resid.) and Industrial RSCOs
Concentrations above Restricted Residential RSCOs are in **bold**.
Concentrations above Industrial RSCOs are in ***bold italics***.
ND = Non Detect
NR = Not Regulated
NA = Not Analyzed
N/A = Not Applicable

ATTACHMENT A

BORING LOGS

Project: Pierce Arrow Property **Project Location: 1695 Elmwood Avenue** **Buffalo, NY 14207** **Project Number: 299363**	**Boring AEI-B1** Sheet 1 of 1

Date Drilled: **August 16, 2011**	Logged by **Michael Taormina**
Drilling Method: **Push probe**	Total depth: **12 feet**
Drill Rig: **Geoprobe**	Elevation: **600 feet AMSL**
Groundwater Level: **> 12 feet**	Sample method: **Direct fill**
Borehole Backfill: **Cuttings & asphalt**	Location: **Adjacent to transformer room**

Depth, feet	Sample Type	Sample Number	DESCRIPTION	PID Reading	COMMENTS
			Asphalt & fill material - 12"		Recovery:
			Sandy gravelly clay with brick fragments - 10"	33.0	28"
			Soft orange brown clay - 6"	35.0	
				11.0	
5					Recovery:
	S	AEI-B1	Moderately stiff orange brown clay - 10"	35.0	40"
			Very stiff to extremely stiff orange brown clay - 30"	max	
					Recovery:
10			Extremely stiff reddish brown clay - 48"	30.0	48"
				max	
			End of boring		
15					
20					

Project: Pierce Arrow Property **Project Location: 1695 Elmwood Avenue** **Buffalo, NY 14207** **Project Number: 299363**	**Boring AEI-B2** Sheet 1 of 1

Date Drilled: **August 16, 2011**	Logged by **Michael Taormina**
Drilling Method: **Push probe**	Total depth: **12 feet**
Drill Rig: **Geoprobe**	Elevation: **600 feet AMSL**
Groundwater Level: **> 12 feet**	Sample method: **Direct fill**
Borehole Backfill: **Cuttings & asphalt**	Location: **40 feet south of AEI-B1**

Depth, feet	Sample Type	Sample Number	DESCRIPTION	PID Reading	COMMENTS
			Asphalt & fill material - 17"		Recovery:
			Soft reddish clay - 5"		22"
	S	AEI-B2		66.2	
5					Recovery:
			Very stiff to extremely stiff orange brown clay - 48"	35.0 max	48"
				30.8	Recovery:
10			Extremely stiff reddish brown clay - 48"	10.1 max	48"
			End of boring		
15					
20					

Project: Pierce Arrow Property **Project Location: 1695 Elmwood Avenue** **Buffalo, NY 14207** **Project Number: 299363**	**Boring AEI-B3** Sheet 1 of 1

Date Drilled: **August 16, 2011**	Logged by **Michael Taormina**
Drilling Method: **Push probe**	Total depth: **12 feet**
Drill Rig: **Geoprobe**	Elevation: **600 feet AMSL**
Groundwater Level: **> 12 feet**	Sample method: **Direct fill**
Borehole Backfill: **Cuttings & asphalt**	Location: **South side of building**

Depth, feet	Sample Type	Sample Number	DESCRIPTION	PID Reading	COMMENTS
			Asphalt & fill material - 11"	0.0	Recovery: 11"
5	S	AEI-B3	Moderately stiff reddish brown clay - 9" Very stiff to extremely stiff brown clay - 39"	32.0 6.0 4.0	Recovery: 48"
10			Very stiff to extremely stiff reddish brown clay - 48"	0.0	Recovery: 48"
			End of boring		
15					
20					

Project: Pierce Arrow Property **Project Location: 1695 Elmwood Avenue** **Buffalo, NY 14207** **Project Number: 299363**	**Boring AEI-B4** Sheet 1 of 1

Date Drilled: **August 16, 2011**	Logged by **Michael Taormina**
Drilling Method: **Push probe**	Total depth: **12 feet**
Drill Rig: **Geoprobe**	Elevation: **600 feet AMSL**
Groundwater Level: **> 12 feet**	Sample method: **Direct fill**
Borehole Backfill: **Cuttings & asphalt**	Location: **West side of building - south area**

Depth, feet	Sample Type	Sample Number	DESCRIPTION	PID Reading	COMMENTS
			Asphalt & fill material - 10"		Recovery:
			Moderately stiff to very stiff brown clay - 9"	0.0	24"
			Gravel & shale fragments - 5"		
5			Moderately stiff to very stiff brown clay - 19"		Recovery:
	S	AEI-B4	Gravelly sand with clay - 9"	0.0	48"
			Extremely stiff reddish brown clay - 20"		
					Recovery:
10			Extremely stiff reddish brown clay - 48"	0.0	44"
			End of boring		
15					
20					

Project: Pierce Arrow Property **Project Location: 1695 Elmwood Avenue** **Buffalo, NY 14207** **Project Number: 299363**	**Boring AEI-B5** Sheet 1 of 1

Date Drilled: **August 16, 2011**	Logged by **Michael Taormina**
Drilling Method: **Push probe**	Total depth: **12 feet**
Drill Rig: **Geoprobe**	Elevation: **600 feet AMSL**
Groundwater Level: **> 12 feet**	Sample method: **Direct fill**
Borehole Backfill: **Cuttings & asphalt**	Location: **West side of building - central area**

Depth, feet	Sample Type	Sample Number	DESCRIPTION	PID Reading	COMMENTS
			Asphalt & fill material - 10"		Recovery:
			Moderately stiff brown clay - 4"	0.0	34"
			Moderately stiff to very stiff brown clay - 20"		
5			Gravelly sand with clay - 5"		Recovery:
			Very stiff to extremely stiff brown clay - 19"	0.0	37"
			Very stiff to extremely stiff reddish clay - 13"		
	S	AEI-B5			Recovery:
10			Very stiff to extremely stiff reddish clay - 48"	0.0	48"
			End of boring		
15					
20					

Project: Pierce Arrow Property **Project Location: 1695 Elmwood Avenue** **Buffalo, NY 14207** **Project Number: 299363**	**Boring AEI-B6** Sheet 1 of 1

Date Drilled: **August 16, 2011**	Logged by **Michael Taormina**
Drilling Method: **Push probe**	Total depth: **12 feet**
Drill Rig: **Geoprobe**	Elevation: **600 feet AMSL**
Groundwater Level: **> 12 feet**	Sample method: **Direct fill**
Borehole Backfill: **Cuttings & asphalt**	Location: **West side of building - north area**

Depth, feet	Sample Type	Sample Number	DESCRIPTION	PID Reading	COMMENTS
			Asphalt & fill material - 8"		Recovery:
			Stiff to moderately stiff reddish clay - 14"	2.8 max	22"
5			Soft to moderately stiff reddish clay - 26"	4.3	Recovery:
	S	AEI-B6	Very stiff to extremely stiff brown clay - 19"	max	46"
			Extremely stiff reddish clay - 20"		
					Recovery:
10			Extremely stiff reddish clay - 48"	0.0	48"
			End of boring		
15					
20					

Project: Pierce Arrow Property **Project Location: 1695 Elmwood Avenue** **Buffalo, NY 14207** **Project Number: 299363**	**Boring AEI-B7** Sheet 1 of 1

Date Drilled: **August 16, 2011**	Logged by **Michael Taormina**
Drilling Method: **Push probe**	Total depth: **12 feet**
Drill Rig: **Geoprobe**	Elevation: **600 feet AMSL**
Groundwater Level: **> 12 feet**	Sample method: **Direct fill**
Borehole Backfill: **Cuttings & asphalt**	Location: **North side of building**

Depth, feet	Sample Type	Sample Number	DESCRIPTION	PID Reading	COMMENTS
			Topsoil & fill - 10"		Recovery:
			Very stiff to extremely stiff orange brown clay - 15"	0.0	36"
			Cinder layer - 4"		
			Extremely stiff brown clay - 7"		
5	S	AEI-B6	Extremely stiff to hard brown clay - 48"	0.0	Recovery: 48"
10			Extremely stiff to hard reddish clay - 48"	0.0	Recovery: 48"
			End of boring		
15					
20					

Project: Pierce Arrow Property **Project Location: 1695 Elmwood Avenue** **Buffalo, NY 14207** **Project Number: 299363**	**Boring AEI-B8** Sheet 1 of 1

Date Drilled: **August 16, 2011**	Logged by **Michael Taormina**
Drilling Method: **Push probe**	Total depth: **12 feet**
Drill Rig: **Geoprobe**	Elevation: **600 feet AMSL**
Groundwater Level: **> 12 feet**	Sample method: **Direct fill**
Borehole Backfill: **Cuttings & asphalt**	Location: **East side of building - north area**

Depth, feet	Sample Type	Sample Number	DESCRIPTION	PID Reading	COMMENTS
			Asphalt & fill material - 8"		Recovery:
			Brick fragments & concrete debrs - 6"	1.1	23"
			Soft greenish clay - 9"	max	
5			Soft greenish clay - 4"	0.0	Recovery:
	S	AEI-B8	Extremely stiff to hard brown clay - 44"		48"
					Recovery:
10			Extremely stiff reddish clay - 48"	0.0	48"
			End of boring		
15					
20					

Project: Pierce Arrow Property **Project Location: 1695 Elmwood Avenue** **Buffalo, NY 14207** **Project Number: 299363**	**Boring AEI-B9** Sheet 1 of 1

Date Drilled: **August 16, 2011**	Logged by **Michael Taormina**
Drilling Method: **Push probe**	Total depth: **12 feet**
Drill Rig: **Geoprobe**	Elevation: **600 feet AMSL**
Groundwater Level: **> 12 feet**	Sample method: **Direct fill**
Borehole Backfill: **Cuttings & asphalt**	Location: **Adjacent to furnace room - east side**

Depth, feet	Sample Type	Sample Number	DESCRIPTION		PID Reading	COMMENTS
			Asphalt & gray fill material - 7"			Recovery:
			Brick fragments & concrete debrs - 7"			26"
			Stained soft greenish clay with a strong petroleum odor - 12"		128	
					10	
5			Soft to very soft greenish clay with odor - 11"	4"	0.8	Recovery:
	S	AEI-B9	Extremely stiff to hard reddish clay no odor - 18"	6"	121	29"
				10"	40	
				>10"	0.0	
						Recovery:
10			Extremely stiff to hard reddish clay - 48"		0.0	48"
			End of boring			
15						
20						

ATTACHMENT B

SAMPLE ANALYTICAL DOCUMENTATION

APL
AQUA PRO-TECH LABORATORIES

CERTIFICATIONS
NJ DEP 07010 / NY DOH 11634 / CT PH-0233
US ARMY CORPS (USACE)

ANALYTICAL RESULTS SUMMARY

Client	**AEI Consultants** 30 Montgomery St. Jersey City, NJ 07302	**APL Order ID Number**	**11080666**
		Date Sampled	08/16/2011 9:50
		Date Received	08/17/2011 10:24
Contact	Michael Taormina	**Matrix**	Soil
Project		**Site**	Buffalo 299363
Report Date	09/06/2011 12:49	**Customer Service Rep.**	

Sample Number/ Parameter	Method	Analysis Time	Analyst	Result	Units	MDL
11080666-001 AEI-B						
Antimony	SW 846 6010B	08/26/2011 12:02	MARKA	2.7	mg/kg	
Arsenic	SW 846 6010B	08/26/2011 12:02	MARKA	4.90	mg/kg	
Beryllium	SW 846 6010B	08/26/2011 12:01	MARKA	0.78	mg/kg	
Cadmium	SW 846 6010B	08/26/2011 14:00	MARK	<0.078	mg/kg	
Chromium	SW 846 6010B	08/26/2011 12:01	MARKA	23.3	mg/Kg	
Copper	SW 846 6010B	08/26/2011 12:01	MARKA	27.6	mg/kg	
Lead	SW 846 6010B	08/26/2011 12:02	MARKA	36.3	mg/kg	
Mercury	SW 846 7471A	08/22/2011 13:38	ASTOICA	<0.020	mg/kg	
Nickel	SW 846 6010B	08/26/2011 12:02	MARKA	29.7	mg/kg	
PCBs	SW 846 8082		BOB	SA		
Percent Solids	Gravimetric	08/17/2011 18:42	MARKA	80.6	%	
Selenium	SW 846 6010B	08/26/2011 14:00	MARK	<0.98	mg/kg	
Semivolatile Organics	SW 846 8270C		SUDIP	SA		
Silver	SW 846 6010B	08/26/2011 14:00	MARK	<0.78	mg/Kg	
Thallium	SW 846 6010B	08/26/2011 14:00	MARK	<0.78	mg/kg	
Volatile Organics	SW 846 8260B		OLGA	SA		
Zinc	SW 846 6010B	08/26/2011 12:01	MARKA	91.3	mg/kg	

SA: See attached report

Brian Wood
Laboratory Director

QA

1275 BLOOMFIELD AVENUE, BLDG. 6, FAIRFIELD, NJ 07004 TEL 973 227 0422 FAX 973 227 2813

AQUA PRO-TECH LABORATORIES
Fairfield, NJ

PCB ANALYTICAL REPORT
Method 8082 S

Client:	AEI Consultants	**Lab Sample ID:**	11080666-1
Project:	Buffalo 299363	**GC Run ID:**	3B6739
Sample ID:	AEI-B	**Extraction Date:**	8/18/11
Date Sampled:	8/16/11	**Sample Wt /Vol:**	15 g
Matrix: (soil/water):	Soil	**Final Volume (ml):**	10
% Moisture:	19%		
Concentration Units:	µg/kg		

Compound	Result	MDL	PQL	Qualifier	Date Analyzed	Dilution Factor
Aroclor 1016	ND	8.79	81.9	U	8/18/11	1
Aroclor 1221	ND	11.1	81.9	U	8/18/11	1
Aroclor 1232	ND	13	81.9	U	8/18/11	1
Aroclor 1242	ND	6.02	81.9	U	8/18/11	1
Aroclor 1248	ND	4.15	81.9	U	8/18/11	1
Aroclor 1254	ND	9.27	81.9	U	8/18/11	1
Aroclor 1260	ND	8.89	81.9	U	8/18/11	1

Qualifiers:

U - compound not detected at the specified detection limit
J - below PQL
D - concentration taken from diluted analysis
E - compound concentration exceeds calibration

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 15.0 Grams
% Moisture: 19.4%
Extract Volume: 1 mL

Lab Sample ID: 11080666-001
Lab File ID: 5S1235.D
Date Collected: 16-Aug-11
Date Extracted: 19-Aug-11
Date Analyzed: 23-Aug-11
Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
110-86-1	Pyridine		U	237	414
62-75-9	n-Nitroso-dimethylamine		U	372	414
100-52-7	Benzaldehyde		U	123	414
62-53-3	Aniline		U	18.2	414
111-44-4	bis(2-Chloroethyl)ether		U	25.6	414
541-73-1	1,3-Dichlorobenzene		U	24.8	414
106-46-7	1,4-Dichlorobenzene		U	31.4	414
100-51-6	Benzyl Alcohol		U	573	414
95-50-1	1,2-Dichlorobenzene		U	19.0	414
108-60-1	bis(2-Chloroisopropyl)ether		U	20.7	414
98-86-2	Acetophenone		U	109	414
621-64-7	n-Nitroso-di-n-propylamine		U	36.4	414
67-72-1	Hexachloroethane		U	23.2	414
98-95-3	Nitrobenzene		U	16.5	414
78-59-1	Isophorone		U	17.4	414
111-91-1	bis(2-Chloroethoxy)methane		U	28.1	414
120-82-1	1,2,4-Trichlorobenzene		U	28.9	414
91-20-3	Naphthalene		U	18.2	414
106-47-8	4-Chloroaniline		U	24.8	414
87-68-3	Hexachlorobutadiene		U	24.0	414
105-60-2	Caprolactam		U	75.3	414
91-57-6	2-Methylnaphthalene		U	21.5	414
77-47-4	Hexachlorocyclopentadiene		U	339	827
92-52-4	Biphenyl		U	81.1	414
91-58-7	2-Chloronaphthalene		U	16.5	414
88-74-4	2-Nitroaniline		U	9.10	414
131-11-3	Dimethylphthalate	278	B	24.0	414
208-96-8	Acenaphthylene		U	13.2	414
606-20-2	2,6-Dinitrotoluene		U	34.7	414
99-09-2	3-Nitroaniline		U	404	414
83-32-9	Acenaphthene		U	16.5	414
132-64-9	Dibenzofuran		U	18.2	414
121-14-2	2,4-Dinitrotoluene		U	32.3	414
86-73-7	Fluorene		U	12.4	414
84-66-2	Diethylphthalate	111	BJ	893	414
7005-72-3	4-Chlorophenyl phenyl ether		U	22.3	414
100-01-6	4-Nitroaniline		U	227	414
86-30-6	n-Nitrosodiphenylamine		U	18.2	414
103-33-3	1,2-Diphenylhydrazine		U	14.1	414

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 15.0 Grams
% Moisture: 19.4%
Extract Volume: 1 mL

Lab Sample ID: 11080666-001
Lab File ID: 5S1235.D
Date Collected: 16-Aug-11
Date Extracted: 19-Aug-11
Date Analyzed: 23-Aug-11
Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
101-55-3	4-Bromophenyl-phenyl ether		U	26.5	414
118-74-1	Hexachlorobenzene		U	37.2	414
1912-24-9	Atrazine		U	67.8	414
85-01-8	Phenanthrene		U	6.62	414
120-12-7	Anthracene		U	11.6	414
86-74-8	Carbazole		U	25.6	414
84-74-2	Di-n-butylphthalate		U	39.7	414
206-44-0	Fluoranthene	51.5		20.7	414
92-87-5	Benzidine		U	388	414
129-00-0	Pyrene	50.6		11.6	414
85-68-7	Butylbenzylphthalate		U	15.7	414
56-55-3	Benzo(a)anthracene	46.8		14.1	414
91-94-1	3,3'-Dichlorobenzidine		U	217	414
218-01-9	Chrysene		U	16.5	414
117-81-7	bis(2-Ethylhexyl)phthalate	60.8	BJ	283	414
117-84-0	Di-n-octylphthalate		U	25.6	414
205-99-2	Benzo(b)fluoranthene	42		28.1	414
207-08-9	Benzo(k)fluoranthene		U	22.3	414
50-32-8	Benzo(a)pyrene		U	15.7	414
193-39-5	Indeno(1,2,3-cd)pyrene		U	10.8	414
53-70-3	Dibenzo(a,h)anthracene		U	13.2	414
191-24-2	Benzo(g,h,i)perylene		U	21.5	414

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report
Tentatively Identified Compounds

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 15.0 Grams
% Moisture: 19.4%
Extract Volume: 1 mL

Lab Sample ID: 11080666-001
Lab File ID: 5S1235.D
Date Collected: 16-Aug-11
Date Extracted: 19-Aug-11
Date Analyzed: 23-Aug-11
Dilution Factor: 1

CAS No.	Compound	Est. Conc.	Q	RT
19047-85-9	Phosphonic acid, dioctadecyl este	691	JN	20.65

Number of TICs found: 1
Total Est. Concentration: 691 ug/kg

Qualifiers : J=Estimated Concentration, N=Used When Reporting a Specific Tentatively Identified Compound

Aqua Pro-Tech Laboratories
EPA Method 8260 Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 5.0 Grams
Level: Low
% Moisture: 19.4%

Lab Sample ID: 11080666-001
Lab File ID: 4V4473.D
Date Collected: 16-Aug-11

Date Analyzed: 1-Sep-11
Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane		U	1.38	6.2
74-87-3	Chloromethane		U	0.806	6.2
107-02-8	Acrolein		U	5.06	24.8
75-01-4	Vinyl Chloride		U	1.17	6.2
74-83-9	Bromomethane		U	2.12	6.2
75-00-3	Chloroethane		U	2.83	6.2
75-69-4	Trichlorofluoromethane		U	1.45	6.2
76-13-1	1,1,2-Trichloro-1,2,2 trifluoroethan		U	2.59	6.2
67-64-1	Acetone		U	3.56	12.4
75-35-4	1,1-Dichloroethene		U	1.67	6.2
75-65-0	tert-Butyl Alcohol		U	12.1	62
79-20-9	Methyl Acetate		U	1.18	6.2
75-09-2	Methylene Chloride		U	1.02	6.2
75-15-0	Carbon Disulfide		U	0.856	6.2
107-13-1	Acrylonitrile		U	1.61	6.2
1634-04-4	Methyl tert-Butyl Ether		U	1.08	6.2
156-60-5	trans-1,2-Dichloroethene		U	0.831	6.2
75-34-3	1,1-Dichloroethane		U	1.04	6.2
108-05-4	Vinyl Acetate		U	1.54	6.2
78-93-3	2-Butanone		U	2.54	12.4
594-20-7	2,2-Dichloropropane		U	0.645	6.2
156-59-2	cis-1,2-Dichloroethene		U	0.645	6.2
67-66-3	Chloroform		U	0.968	6.2
74-97-5	Bromochloromethane		U	1.17	6.2
110-82-7	Cyclohexane		U	1.25	6.2
71-55-6	1,1,1-Trichloroethane		U	1.41	6.2
563-58-6	1,1-Dichloropropene		U	1.34	6.2
56-23-5	Carbon Tetrachloride		U	1.08	6.2
107-06-2	1,2-Dichloroethane		U	0.707	6.2
71-43-2	Benzene		U	0.682	6.2
79-01-6	Trichloroethene		U	1.02	6.2
108-87-2	Methylcyclohexane		U	1.27	6.2
78-87-5	1,2-Dichloropropane		U	0.980	6.2
75-27-4	Bromodichloromethane		U	0.955	6.2
123-91-1	p-Dioxane		U	0.00	124
74-95-3	Dibromomethane		U	1.05	6.2
110-75-8	2-Chloroethylvinyl ether		U	1.22	12.4
108-10-1	4-Methyl-2-Pentanone		U	0.931	12.4
10061-01-5	cis-1,3-Dichloropropene		U	0.236	6.2

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8260 Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 5.0 Grams
Level: Low
% Moisture: 19.4%

Lab Sample ID: 11080666-001
Lab File ID: 4V4473.D
Date Collected: 16-Aug-11

Date Analyzed: 1-Sep-11
Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
108-88-3	Toluene		U	0.447	6.2
10061-02-6	trans-1,3-Dichloropropene		U	0.546	6.2
79-00-5	1,1,2-Trichloroethane		U	0.844	6.2
591-78-6	2-Hexanone		U	1.36	12.4
142-28-9	1,3-Dichloropropane		U	0.782	6.2
127-18-4	Tetrachloroethene		U	0.831	6.2
124-48-1	Dibromochloromethane		U	0.844	6.2
106-93-4	1,2-Dibromoethane		U	0.471	6.2
108-90-7	Chlorobenzene		U	0.534	6.2
630-20-6	1,1,1,2-Tetrachloroethane		U	0.782	6.2
100-41-4	Ethylbenzene		U	0.496	6.2
1330-20-7	m+p-Xylenes		U	1.19	12.4
95-47-6	o-Xylene		U	0.980	6.2
100-42-5	Styrene		U	0.782	6.2
98-82-8	Isopropylbenzene		U	0.645	6.2
75-25-2	Bromoform		U	2.22	6.2
79-34-5	1,1,2,2-Tetrachloroethane		U	1.76	6.2
96-18-4	1,2,3-Trichloropropane		U	3.44	6.2
103-65-1	n-Propylbenzene		U	2.33	6.2
108-86-1	Bromobenzene		U	1.07	6.2
95-49-8	2-Chlorotoluene		U	0.571	6.2
106-43-4	4-Chlorotoluene		U	0.409	6.2
108-67-8	1,3,5-Trimethylbenzene		U	1.77	6.2
98-06-6	tert-Butylbenzene		U	1.74	6.2
95-63-6	1,2,4-Trimethylbenzene		U	1.85	12.4
135-98-8	sec-Butylbenzene		U	2.08	6.2
99-87-6	4-Isopropyltoluene		U	1.95	6.2
541-73-1	1,3-Dichlorobenzene		U	1.03	6.2
106-46-7	1,4-Dichlorobenzene		U	1.05	6.2
104-51-8	n-Butylbenzene		U	1.92	6.2
95-50-1	1,2-Dichlorobenzene		U	0.893	6.2
96-12-8	1,2-Dibromo-3-chloropropane		U	5.60	12.4
120-82-1	1,2,4-Trichlorobenzene		U	1.22	6.2
87-68-3	Hexachlorobutadiene		U	2.84	6.2
91-20-3	Naphthalene		U	1.14	6.2
87-61-6	1,2,3-Trichlorobenzene		U	2.23	6.2
496-11-7	Indan		U	0.00	0

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8260 Analytical Report
Tentatively Identified Compounds

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 5.0 Grams
Level: Low
% Moisture: 19.4%

Lab Sample ID: 11080666-001
Lab File ID: 4V4473.D
Date Collected: 16-Aug-11

Date Analyzed: 1-Sep-11
Dilution Factor: 1

CAS No.	Compound	Est. Conc.	Q	RT

Number of TICs found: 0
Total Est. Concentration: 0 ug/kg

Qualifiers : J=Estimated Concentration, N=Used When Reporting a Specific Tentatively Identified Compound

APL
AQUA PRO-TECH LABORATORIES

CERTIFICATIONS
NJ DEP 07010 / NY DOH 11634 / CT PH-0233
US ARMY CORPS (USACE)

ANALYTICAL RESULTS SUMMARY

Client	**AEI Consultants** 30 Montgomery St. Jersey City, NJ 07302	**APL Order ID Number**	**11080666**
		Date Sampled	08/16/2011 10:20
		Date Received	08/17/2011 10:24
Contact	Michael Taormina	**Matrix**	Soil
Project		**Site**	Buffalo 299363
Report Date	09/06/2011 12:49	**Customer Service Rep.**	

Sample Number/ Parameter	Method	Analysis Time	Analyst	Result	Units	MDL
11080666-002 AEI-B						
Antimony	SW 846 6010B	08/26/2011 12:06	MARKA	1.4	mg/kg	
Arsenic	SW 846 6010B	08/26/2011 12:06	MARKA	2.31	mg/kg	
Beryllium	SW 846 6010B	08/26/2011 12:06	MARKA	0.48	mg/kg	
Cadmium	SW 846 6010B	08/26/2011 14:00	MARK	<0.052	mg/kg	
Chromium	SW 846 6010B	08/26/2011 12:06	MARKA	20.3	mg/Kg	
Copper	SW 846 6010B	08/26/2011 12:06	MARKA	33.4	mg/kg	
Lead	SW 846 6010B	08/26/2011 12:06	MARKA	11.9	mg/kg	
Mercury	SW 846 7471A	08/22/2011 13:38	ASTOICA	0.036	mg/kg	
Nickel	SW 846 6010B	08/26/2011 12:06	MARKA	21.8	mg/kg	
Percent Solids	Gravimetric	08/17/2011 18:42	MARKA	83.6	%	
Selenium	SW 846 6010B	08/26/2011 14:00	MARK	<0.66	mg/kg	
Semivolatile Organics	SW 846 8270C		SUDIP	SA		
Silver	SW 846 6010B	08/26/2011 14:00	MARK	<0.52	mg/Kg	
Thallium	SW 846 6010B	08/26/2011 14:00	MARK	<0.52	mg/kg	
Volatile Organics	SW 846 8260B		OLGA	SA		
Zinc	SW 846 6010B	08/26/2011 12:06	MARKA	67.6	mg/kg	

SA: See attached report

Brian Wood
Laboratory Director

QA

1275 BLOOMFIELD AVENUE, BLDG. 6, FAIRFIELD, NJ 07004 TEL 973 227 0422 FAX 973 227 2813

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 15.0 Grams
% Moisture: 16.4%
Extract Volume: 1 mL

Lab Sample ID: 11080666-002
Lab File ID: 5S1234.D
Date Collected: 16-Aug-11
Date Extracted: 19-Aug-11
Date Analyzed: 23-Aug-11
Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
110-86-1	Pyridine		U	229	399
62-75-9	n-Nitroso-dimethylamine		U	359	399
100-52-7	Benzaldehyde		U	119	399
62-53-3	Aniline		U	17.5	399
111-44-4	bis(2-Chloroethyl)ether		U	24.7	399
541-73-1	1,3-Dichlorobenzene		U	23.9	399
106-46-7	1,4-Dichlorobenzene		U	30.3	399
100-51-6	Benzyl Alcohol		U	553	399
95-50-1	1,2-Dichlorobenzene		U	18.3	399
108-60-1	bis(2-Chloroisopropyl)ether		U	19.9	399
98-86-2	Acetophenone		U	105	399
621-64-7	n-Nitroso-di-n-propylamine		U	35.1	399
67-72-1	Hexachloroethane		U	22.3	399
98-95-3	Nitrobenzene		U	15.9	399
78-59-1	Isophorone		U	16.7	399
111-91-1	bis(2-Chloroethoxy)methane		U	27.1	399
120-82-1	1,2,4-Trichlorobenzene		U	27.9	399
91-20-3	Naphthalene		U	17.5	399
106-47-8	4-Chloroaniline		U	23.9	399
87-68-3	Hexachlorobutadiene		U	23.1	399
105-60-2	Caprolactam		U	72.6	399
91-57-6	2-Methylnaphthalene		U	20.7	399
77-47-4	Hexachlorocyclopentadiene		U	327	797
92-52-4	Biphenyl		U	78.1	399
91-58-7	2-Chloronaphthalene		U	15.9	399
88-74-4	2-Nitroaniline		U	8.77	399
131-11-3	Dimethylphthalate	331	B	23.1	399
208-96-8	Acenaphthylene		U	12.8	399
606-20-2	2,6-Dinitrotoluene		U	33.5	399
99-09-2	3-Nitroaniline		U	389	399
83-32-9	Acenaphthene	98.2		15.9	399
132-64-9	Dibenzofuran		U	17.5	399
121-14-2	2,4-Dinitrotoluene		U	31.1	399
86-73-7	Fluorene	82.2		12.0	399
84-66-2	Diethylphthalate	164	BJ	861	399
7005-72-3	4-Chlorophenyl phenyl ether		U	21.5	399
100-01-6	4-Nitroaniline		U	219	399
86-30-6	n-Nitrosodiphenylamine		U	17.5	399
103-33-3	1,2-Diphenylhydrazine		U	13.6	399

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 15.0 Grams
% Moisture: 16.4%
Extract Volume: 1 mL

Lab Sample ID: 11080666-002
Lab File ID: 5S1234.D
Date Collected: 16-Aug-11
Date Extracted: 19-Aug-11
Date Analyzed: 23-Aug-11
Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
101-55-3	4-Bromophenyl-phenyl ether		U	25.5	399
118-74-1	Hexachlorobenzene		U	35.9	399
1912-24-9	Atrazine		U	65.4	399
85-01-8	Phenanthrene	476		6.38	399
120-12-7	Anthracene	157		11.2	399
86-74-8	Carbazole		U	24.7	399
84-74-2	Di-n-butylphthalate		U	38.3	399
206-44-0	Fluoranthene	564		19.9	399
92-87-5	Benzidine		U	374	399
129-00-0	Pyrene	512		11.2	399
85-68-7	Butylbenzylphthalate		U	15.2	399
56-55-3	Benzo(a)anthracene	414		13.6	399
91-94-1	3,3'-Dichlorobenzidine		U	209	399
218-01-9	Chrysene	324		15.9	399
117-81-7	bis(2-Ethylhexyl)phthalate	217	BJ	273	399
117-84-0	Di-n-octylphthalate		U	24.7	399
205-99-2	Benzo(b)fluoranthene	344		27.1	399
207-08-9	Benzo(k)fluoranthene	139		21.5	399
50-32-8	Benzo(a)pyrene	304		15.2	399
193-39-5	Indeno(1,2,3-cd)pyrene	133		10.4	399
53-70-3	Dibenzo(a,h)anthracene		U	12.8	399
191-24-2	Benzo(g,h,i)perylene	153		20.7	399

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report
Tentatively Identified Compounds

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 15.0 Grams
% Moisture: 16.4%
Extract Volume: 1 mL

Lab Sample ID: 11080666-002
Lab File ID: 5S1234.D
Date Collected: 16-Aug-11
Date Extracted: 19-Aug-11
Date Analyzed: 23-Aug-11
Dilution Factor: 1

CAS No.	Compound	Est. Conc.	Q	RT
	unknown	426	J	19.71
506-52-5	1-Hexacosanol	710	JN	20.57
	unknown	811	J	21.39

Number of TICs found: 3
Total Est. Concentration: 1947 ug/kg

Qualifiers : J=Estimated Concentration, N=Used When Reporting a Specific Tentatively Identified Compound

Aqua Pro-Tech Laboratories
EPA Method 8260 Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 5.0 Grams
Level: Low
% Moisture: 16.4%

Lab Sample ID: 11080666-002
Lab File ID: 4V4474.D
Date Collected: 16-Aug-11

Date Analyzed: 1-Sep-11
Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane		U	1.33	5.98
74-87-3	Chloromethane		U	0.778	5.98
107-02-8	Acrolein		U	4.88	23.9
75-01-4	Vinyl Chloride		U	1.12	5.98
74-83-9	Bromomethane		U	2.05	5.98
75-00-3	Chloroethane		U	2.73	5.98
75-69-4	Trichlorofluoromethane		U	1.40	5.98
76-13-1	1,1,2-Trichloro-1,2,2 trifluoroethan		U	2.50	5.98
67-64-1	Acetone		U	3.43	12
75-35-4	1,1-Dichloroethene		U	1.61	5.98
75-65-0	tert-Butyl Alcohol		U	11.7	59.8
79-20-9	Methyl Acetate		U	1.14	5.98
75-09-2	Methylene Chloride		U	0.981	5.98
75-15-0	Carbon Disulfide		U	0.825	5.98
107-13-1	Acrylonitrile		U	1.56	5.98
1634-04-4	Methyl tert-Butyl Ether		U	1.04	5.98
156-60-5	trans-1,2-Dichloroethene		U	0.801	5.98
75-34-3	1,1-Dichloroethane		U	1.00	5.98
108-05-4	Vinyl Acetate		U	1.48	5.98
78-93-3	2-Butanone		U	2.45	12
594-20-7	2,2-Dichloropropane		U	0.622	5.98
156-59-2	cis-1,2-Dichloroethene		U	0.622	5.98
67-66-3	Chloroform		U	0.933	5.98
74-97-5	Bromochloromethane		U	1.12	5.98
110-82-7	Cyclohexane		U	1.21	5.98
71-55-6	1,1,1-Trichloroethane		U	1.36	5.98
563-58-6	1,1-Dichloropropene		U	1.29	5.98
56-23-5	Carbon Tetrachloride		U	1.04	5.98
107-06-2	1,2-Dichloroethane		U	0.682	5.98
71-43-2	Benzene		U	0.658	5.98
79-01-6	Trichloroethene		U	0.981	5.98
108-87-2	Methylcyclohexane		U	1.22	5.98
78-87-5	1,2-Dichloropropane		U	0.945	5.98
75-27-4	Bromodichloromethane		U	0.921	5.98
123-91-1	p-Dioxane		U	0.00	120
74-95-3	Dibromomethane		U	1.02	5.98
110-75-8	2-Chloroethylvinyl ether		U	1.17	12
108-10-1	4-Methyl-2-Pentanone		U	0.897	12
10061-01-5	cis-1,3-Dichloropropene		U	0.227	5.98

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8260 Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 5.0 Grams
Level: Low
% Moisture: 16.4%

Lab Sample ID: 11080666-002
Lab File ID: 4V4474.D
Date Collected: 16-Aug-11

Date Analyzed: 1-Sep-11
Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
108-88-3	Toluene		U	0.431	5.98
10061-02-6	trans-1,3-Dichloropropene		U	0.526	5.98
79-00-5	1,1,2-Trichloroethane		U	0.813	5.98
591-78-6	2-Hexanone		U	1.32	12
142-28-9	1,3-Dichloropropane		U	0.754	5.98
127-18-4	Tetrachloroethene		U	0.801	5.98
124-48-1	Dibromochloromethane		U	0.813	5.98
106-93-4	1,2-Dibromoethane		U	0.455	5.98
108-90-7	Chlorobenzene		U	0.514	5.98
630-20-6	1,1,1,2-Tetrachloroethane		U	0.754	5.98
100-41-4	Ethylbenzene		U	0.478	5.98
1330-20-7	m+p-Xylenes		U	1.15	12
95-47-6	o-Xylene		U	0.945	5.98
100-42-5	Styrene		U	0.754	5.98
98-82-8	Isopropylbenzene		U	0.622	5.98
75-25-2	Bromoform		U	2.14	5.98
79-34-5	1,1,2,2-Tetrachloroethane		U	1.70	5.98
96-18-4	1,2,3-Trichloropropane		U	3.31	5.98
103-65-1	n-Propylbenzene		U	2.25	5.98
108-86-1	Bromobenzene		U	1.03	5.98
95-49-8	2-Chlorotoluene		U	0.550	5.98
106-43-4	4-Chlorotoluene		U	0.395	5.98
108-67-8	1,3,5-Trimethylbenzene		U	1.71	5.98
98-06-6	tert-Butylbenzene		U	1.67	5.98
95-63-6	1,2,4-Trimethylbenzene		U	1.78	12
135-98-8	sec-Butylbenzene		U	2.01	5.98
99-87-6	4-Isopropyltoluene		U	1.88	5.98
541-73-1	1,3-Dichlorobenzene		U	0.993	5.98
106-46-7	1,4-Dichlorobenzene		U	1.02	5.98
104-51-8	n-Butylbenzene		U	1.85	5.98
95-50-1	1,2-Dichlorobenzene		U	0.861	5.98
96-12-8	1,2-Dibromo-3-chloropropane		U	5.39	12
120-82-1	1,2,4-Trichlorobenzene		U	1.17	5.98
87-68-3	Hexachlorobutadiene		U	2.74	5.98
91-20-3	Naphthalene	10.5		1.10	5.98
87-61-6	1,2,3-Trichlorobenzene		U	2.15	5.98
496-11-7	Indan		U	0.00	0

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8260 Analytical Report
Tentatively Identified Compounds

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 5.0 Grams
Level: Low
% Moisture: 16.4%

Lab Sample ID: 11080666-002
Lab File ID: 4V4474.D
Date Collected: 16-Aug-11

Date Analyzed: 1-Sep-11
Dilution Factor: 1

CAS No.	Compound	Est. Conc.	Q	RT

Number of TICs found: 0
Total Est. Concentration: 0 ug/kg

Qualifiers : J=Estimated Concentration, N=Used When Reporting a Specific Tentatively Identified Compound

APL
AQUA PRO-TECH LABORATORIES

CERTIFICATIONS
NJ DEP 07010 / NY DOH 11634 / CT PH-0233
US ARMY CORPS (USACE)

ANALYTICAL RESULTS SUMMARY

Client	**AEI Consultants** 30 Montgomery St. Jersey City, NJ 07302	**APL Order ID Number**	**11080666**
		Date Sampled	08/16/2011 10:40
		Date Received	08/17/2011 10:24
Contact	Michael Taormina	**Matrix**	Soil
Project		**Site**	Buffalo 299363
Report Date	09/06/2011 12:49	**Customer Service Rep.**	

Sample Number/ Parameter	Method	Analysis Time	Analyst	Result	Units	MDL
11080666-003 AEI-B						
Antimony	SW 846 6010B	08/26/2011 12:10	MARKA	4.7	mg/kg	
Arsenic	SW 846 6010B	08/26/2011 12:10	MARKA	2.32	mg/kg	
Beryllium	SW 846 6010B	08/26/2011 14:00	MARK	<0.033	mg/kg	
Cadmium	SW 846 6010B	08/26/2011 14:00	MARK	<0.066	mg/kg	
Chromium	SW 846 6010B	08/26/2011 12:10	MARKA	19.7	mg/Kg	
Copper	SW 846 6010B	08/26/2011 12:10	MARKA	31.9	mg/kg	
Lead	SW 846 6010B	08/26/2011 12:10	MARKA	24.3	mg/kg	
Mercury	SW 846 7471A	08/22/2011 13:38	ASTOICA	0.022	mg/kg	
Nickel	SW 846 6010B	08/26/2011 12:10	MARKA	20.1	mg/kg	
Percent Solids	Gravimetric	08/17/2011 18:42	MARKA	85.7	%	
Selenium	SW 846 6010B	08/26/2011 14:00	MARK	<0.83	mg/kg	
Semivolatile Organics	SW 846 8270C		SUDIP	SA		
Silver	SW 846 6010B	08/26/2011 14:00	MARK	<0.66	mg/Kg	
Thallium	SW 846 6010B	08/26/2011 14:00	MARK	<0.66	mg/kg	
Volatile Organics	SW 846 8260B		OLGA	SA		
Zinc	SW 846 6010B	08/26/2011 12:10	MARKA	57.5	mg/kg	

SA: See attached report

Brian Wood
Laboratory Director

QA

1275 BLOOMFIELD AVENUE, BLDG. 6, FAIRFIELD, NJ 07004 TEL 973 227 0422 FAX 973 227 2813

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 15.0 Grams
% Moisture: 14.3%
Extract Volume: 1 mL

Lab Sample ID: 11080666-003
Lab File ID: 5S1230.D
Date Collected: 16-Aug-11
Date Extracted: 19-Aug-11
Date Analyzed: 23-Aug-11
Dilution Factor: 2

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
110-86-1	Pyridine		U	447	778
62-75-9	n-Nitroso-dimethylamine		U	700	778
100-52-7	Benzaldehyde		U	232	778
62-53-3	Aniline		U	34.2	778
111-44-4	bis(2-Chloroethyl)ether		U	48.2	778
541-73-1	1,3-Dichlorobenzene		U	46.7	778
106-46-7	1,4-Dichlorobenzene		U	59.1	778
100-51-6	Benzyl Alcohol		U	1080	778
95-50-1	1,2-Dichlorobenzene		U	35.8	778
108-60-1	bis(2-Chloroisopropyl)ether		U	38.9	778
98-86-2	Acetophenone		U	205	778
621-64-7	n-Nitroso-di-n-propylamine		U	68.5	778
67-72-1	Hexachloroethane		U	43.6	778
98-95-3	Nitrobenzene		U	31.1	778
78-59-1	Isophorone		U	32.7	778
111-91-1	bis(2-Chloroethoxy)methane		U	52.9	778
120-82-1	1,2,4-Trichlorobenzene		U	54.5	778
91-20-3	Naphthalene		U	34.2	778
106-47-8	4-Chloroaniline		U	46.7	778
87-68-3	Hexachlorobutadiene		U	45.1	778
105-60-2	Caprolactam		U	142	778
91-57-6	2-Methylnaphthalene		U	40.5	778
77-47-4	Hexachlorocyclopentadiene		U	638	1560
92-52-4	Biphenyl		U	152	778
91-58-7	2-Chloronaphthalene		U	31.1	778
88-74-4	2-Nitroaniline		U	17.1	778
131-11-3	Dimethylphthalate		U	45.1	778
208-96-8	Acenaphthylene		U	24.9	778
606-20-2	2,6-Dinitrotoluene		U	65.3	778
99-09-2	3-Nitroaniline		U	759	778
83-32-9	Acenaphthene		U	31.1	778
132-64-9	Dibenzofuran		U	34.2	778
121-14-2	2,4-Dinitrotoluene		U	60.7	778
86-73-7	Fluorene		U	23.3	778
84-66-2	Diethylphthalate		U	1680	778
7005-72-3	4-Chlorophenyl phenyl ether		U	42.0	778
100-01-6	4-Nitroaniline		U	426	778
86-30-6	n-Nitrosodiphenylamine		U	34.2	778
103-33-3	1,2-Diphenylhydrazine		U	26.4	778

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 15.0 Grams
% Moisture: 14.3%
Extract Volume: 1 mL

Lab Sample ID: 11080666-003
Lab File ID: 5S1230.D
Date Collected: 16-Aug-11
Date Extracted: 19-Aug-11
Date Analyzed: 23-Aug-11
Dilution Factor: 2

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
101-55-3	4-Bromophenyl-phenyl ether		U	49.8	778
118-74-1	Hexachlorobenzene		U	70.0	778
1912-24-9	Atrazine		U	128	778
85-01-8	Phenanthrene	520	D	12.4	778
120-12-7	Anthracene	90.8	D	21.8	778
86-74-8	Carbazole		U	48.2	778
84-74-2	Di-n-butylphthalate		U	74.7	778
206-44-0	Fluoranthene	626	D	38.9	778
92-87-5	Benzidine		U	730	778
129-00-0	Pyrene	681	D	21.8	778
85-68-7	Butylbenzylphthalate		U	29.6	778
56-55-3	Benzo(a)anthracene	475	D	26.4	778
91-94-1	3,3'-Dichlorobenzidine		U	408	778
218-01-9	Chrysene	397	D	31.1	778
117-81-7	bis(2-Ethylhexyl)phthalate	235	BDJ	532	778
117-84-0	Di-n-octylphthalate		U	48.2	778
205-99-2	Benzo(b)fluoranthene	350	D	52.9	778
207-08-9	Benzo(k)fluoranthene	159	D	42.0	778
50-32-8	Benzo(a)pyrene	313	D	29.6	778
193-39-5	Indeno(1,2,3-cd)pyrene	145	D	20.2	778
53-70-3	Dibenzo(a,h)anthracene		U	24.9	778
191-24-2	Benzo(g,h,i)perylene	176	D	40.5	778

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report
Tentatively Identified Compounds

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 15.0 Grams
% Moisture: 14.3%
Extract Volume: 1 mL

Lab Sample ID: 11080666-003
Lab File ID: 5S1230.D
Date Collected: 16-Aug-11
Date Extracted: 19-Aug-11
Date Analyzed: 23-Aug-11
Dilution Factor: 2

CAS No.	Compound	Est. Conc.	Q	RT
62238-11-3	Decane, 2,3,5-trimethyl-	827	JN	13.71
112-95-8	Eicosane	1750	JN	14.71
54833-23-7	Eicosane, 10-methyl-	873	JN	16.56
	unknown	720	J	17.42

Number of TICs found: 4
Total Est. Concentration: 4170 ug/kg

Qualifiers : J=Estimated Concentration, N=Used When Reporting a Specific Tentatively Identified Compound

Aqua Pro-Tech Laboratories
EPA Method 8260 Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 5.0 Grams
Level: Low
% Moisture: 14.3%

Lab Sample ID: 11080666-003
Lab File ID: 4V4475.D
Date Collected: 16-Aug-11

Date Analyzed: 1-Sep-11
Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane		U	1.30	5.83
74-87-3	Chloromethane		U	0.758	5.83
107-02-8	Acrolein		U	4.76	23.3
75-01-4	Vinyl Chloride		U	1.10	5.83
74-83-9	Bromomethane		U	2.00	5.83
75-00-3	Chloroethane		U	2.66	5.83
75-69-4	Trichlorofluoromethane		U	1.37	5.83
76-13-1	1,1,2-Trichloro-1,2,2 trifluoroethar		U	2.44	5.83
67-64-1	Acetone		U	3.35	11.7
75-35-4	1,1-Dichloroethene		U	1.58	5.83
75-65-0	tert-Butyl Alcohol		U	11.4	58.3
79-20-9	Methyl Acetate		U	1.11	5.83
75-09-2	Methylene Chloride		U	0.957	5.83
75-15-0	Carbon Disulfide		U	0.805	5.83
107-13-1	Acrylonitrile		U	1.52	5.83
1634-04-4	Methyl tert-Butyl Ether		U	1.02	5.83
156-60-5	trans-1,2-Dichloroethene		U	0.782	5.83
75-34-3	1,1-Dichloroethane		U	0.980	5.83
108-05-4	Vinyl Acetate		U	1.45	5.83
78-93-3	2-Butanone		U	2.39	11.7
594-20-7	2,2-Dichloropropane		U	0.607	5.83
156-59-2	cis-1,2-Dichloroethene		U	0.607	5.83
67-66-3	Chloroform		U	0.910	5.83
74-97-5	Bromochloromethane		U	1.10	5.83
110-82-7	Cyclohexane		U	1.18	5.83
71-55-6	1,1,1-Trichloroethane		U	1.33	5.83
563-58-6	1,1-Dichloropropene		U	1.26	5.83
56-23-5	Carbon Tetrachloride		U	1.02	5.83
107-06-2	1,2-Dichloroethane		U	0.665	5.83
71-43-2	Benzene		U	0.642	5.83
79-01-6	Trichloroethene		U	0.957	5.83
108-87-2	Methylcyclohexane		U	1.19	5.83
78-87-5	1,2-Dichloropropane		U	0.922	5.83
75-27-4	Bromodichloromethane		U	0.898	5.83
123-91-1	p-Dioxane		U	0.00	117
74-95-3	Dibromomethane		U	0.992	5.83
110-75-8	2-Chloroethylvinyl ether		U	1.14	11.7
108-10-1	4-Methyl-2-Pentanone		U	0.875	11.7
10061-01-5	cis-1,3-Dichloropropene		U	0.222	5.83

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8260 Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 5.0 Grams
Level: Low
% Moisture: 14.3%

Lab Sample ID: 11080666-003
Lab File ID: 4V4475.D
Date Collected: 16-Aug-11

Date Analyzed: 1-Sep-11
Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
108-88-3	Toluene		U	0.420	5.83
10061-02-6	trans-1,3-Dichloropropene		U	0.513	5.83
79-00-5	1,1,2-Trichloroethane		U	0.793	5.83
591-78-6	2-Hexanone		U	1.28	11.7
142-28-9	1,3-Dichloropropane		U	0.735	5.83
127-18-4	Tetrachloroethene		U	0.782	5.83
124-48-1	Dibromochloromethane		U	0.793	5.83
106-93-4	1,2-Dibromoethane		U	0.443	5.83
108-90-7	Chlorobenzene		U	0.502	5.83
630-20-6	1,1,1,2-Tetrachloroethane		U	0.735	5.83
100-41-4	Ethylbenzene		U	0.467	5.83
1330-20-7	m+p-Xylenes		U	1.12	11.7
95-47-6	o-Xylene		U	0.922	5.83
100-42-5	Styrene		U	0.735	5.83
98-82-8	Isopropylbenzene		U	0.607	5.83
75-25-2	Bromoform		U	2.09	5.83
79-34-5	1,1,2,2-Tetrachloroethane		U	1.66	5.83
96-18-4	1,2,3-Trichloropropane		U	3.23	5.83
103-65-1	n-Propylbenzene		U	2.19	5.83
108-86-1	Bromobenzene		U	1.00	5.83
95-49-8	2-Chlorotoluene		U	0.537	5.83
106-43-4	4-Chlorotoluene		U	0.385	5.83
108-67-8	1,3,5-Trimethylbenzene		U	1.67	5.83
98-06-6	tert-Butylbenzene		U	1.63	5.83
95-63-6	1,2,4-Trimethylbenzene		U	1.74	11.7
135-98-8	sec-Butylbenzene		U	1.96	5.83
99-87-6	4-Isopropyltoluene		U	1.83	5.83
541-73-1	1,3-Dichlorobenzene		U	0.968	5.83
106-46-7	1,4-Dichlorobenzene		U	0.992	5.83
104-51-8	n-Butylbenzene		U	1.81	5.83
95-50-1	1,2-Dichlorobenzene		U	0.840	5.83
96-12-8	1,2-Dibromo-3-chloropropane		U	5.26	11.7
120-82-1	1,2,4-Trichlorobenzene		U	1.14	5.83
87-68-3	Hexachlorobutadiene		U	2.67	5.83
91-20-3	Naphthalene		U	1.07	5.83
87-61-6	1,2,3-Trichlorobenzene		U	2.10	5.83
496-11-7	Indan		U	0.00	0

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8260 Analytical Report
Tentatively Identified Compounds

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 5.0 Grams
Level: Low
% Moisture: 14.3%

Lab Sample ID: 11080666-003
Lab File ID: 4V4475.D
Date Collected: 16-Aug-11

Date Analyzed: 1-Sep-11
Dilution Factor: 1

CAS No.	Compound	Est. Conc.	Q	RT

Number of TICs found: 0
Total Est. Concentration: 0 ug/kg

Qualifiers : J=Estimated Concentration, N=Used When Reporting a Specific Tentatively Identified Compound

APL
AQUA PRO-TECH LABORATORIES

CERTIFICATIONS
NJ DEP 07010 / NY DOH 11634 / CT PH-0233
US ARMY CORPS (USACE)

ANALYTICAL RESULTS SUMMARY

Client	**AEI Consultants** 30 Montgomery St. Jersey City, NJ 07302	**APL Order ID Number**	**11080666**
		Date Sampled	08/16/2011 11:10
		Date Received	08/17/2011 10:24
Contact	Michael Taormina	**Matrix**	Soil
Project		**Site**	Buffalo 299363
Report Date	09/06/2011 12:49	**Customer Service Rep.**	

Sample Number/ Parameter	Method	Analysis Time	Analyst	Result	Units	MDL
11080666-004 AEI-B						
Antimony	SW 846 6010B	08/26/2011 12:15	MARKA	3.8	mg/kg	
Arsenic	SW 846 6010B	08/26/2011 12:15	MARKA	2.42	mg/kg	
Beryllium	SW 846 6010B	08/26/2011 12:15	MARKA	0.25	mg/kg	
Cadmium	SW 846 6010B	08/26/2011 14:00	MARK	<0.057	mg/kg	
Chromium	SW 846 6010B	08/26/2011 12:15	MARKA	21.9	mg/Kg	
Copper	SW 846 6010B	08/26/2011 12:15	MARKA	24.2	mg/kg	
Lead	SW 846 6010B	08/26/2011 12:15	MARKA	8.7	mg/kg	
Mercury	SW 846 7471A	08/22/2011 13:38	ASTOICA	<0.018	mg/kg	
Nickel	SW 846 6010B	08/26/2011 12:15	MARKA	26.5	mg/kg	
Percent Solids	Gravimetric	08/17/2011 18:42	MARKA	83	%	
Selenium	SW 846 6010B	08/26/2011 14:00	MARK	<0.72	mg/kg	
Semivolatile Organics	SW 846 8270C		SUDIP	SA		
Silver	SW 846 6010B	08/26/2011 14:00	MARK	<0.57	mg/Kg	
Thallium	SW 846 6010B	08/26/2011 14:00	MARK	<0.57	mg/kg	
Volatile Organics	SW 846 8260B		OLGA	SA		
Zinc	SW 846 6010B	08/26/2011 12:15	MARKA	58.0	mg/kg	

SA: See attached report

Brian Wood
Laboratory Director

QA

1275 BLOOMFIELD AVENUE, BLDG. 6, FAIRFIELD, NJ 07004 TEL 973 227 0422 FAX 973 227 2813

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 15.0 Grams
% Moisture: 17.0%
Extract Volume: 1 mL

Lab Sample ID: 11080666-004
Lab File ID: 5S1236.D
Date Collected: 16-Aug-11
Date Extracted: 19-Aug-11
Date Analyzed: 23-Aug-11
Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
110-86-1	Pyridine		U	231	402
62-75-9	n-Nitroso-dimethylamine		U	361	402
100-52-7	Benzaldehyde		U	120	402
62-53-3	Aniline		U	17.7	402
111-44-4	bis(2-Chloroethyl)ether		U	24.9	402
541-73-1	1,3-Dichlorobenzene		U	24.1	402
106-46-7	1,4-Dichlorobenzene		U	30.5	402
100-51-6	Benzyl Alcohol		U	557	402
95-50-1	1,2-Dichlorobenzene		U	18.5	402
108-60-1	bis(2-Chloroisopropyl)ether		U	20.1	402
98-86-2	Acetophenone		U	106	402
621-64-7	n-Nitroso-di-n-propylamine		U	35.3	402
67-72-1	Hexachloroethane		U	22.5	402
98-95-3	Nitrobenzene		U	16.1	402
78-59-1	Isophorone		U	16.9	402
111-91-1	bis(2-Chloroethoxy)methane		U	27.3	402
120-82-1	1,2,4-Trichlorobenzene		U	28.1	402
91-20-3	Naphthalene		U	17.7	402
106-47-8	4-Chloroaniline		U	24.1	402
87-68-3	Hexachlorobutadiene		U	23.3	402
105-60-2	Caprolactam		U	73.1	402
91-57-6	2-Methylnaphthalene		U	20.9	402
77-47-4	Hexachlorocyclopentadiene		U	329	803
92-52-4	Biphenyl		U	78.7	402
91-58-7	2-Chloronaphthalene		U	16.1	402
88-74-4	2-Nitroaniline		U	8.84	402
131-11-3	Dimethylphthalate	128	B	23.3	402
208-96-8	Acenaphthylene		U	12.9	402
606-20-2	2,6-Dinitrotoluene		U	33.7	402
99-09-2	3-Nitroaniline		U	392	402
83-32-9	Acenaphthene		U	16.1	402
132-64-9	Dibenzofuran		U	17.7	402
121-14-2	2,4-Dinitrotoluene		U	31.3	402
86-73-7	Fluorene		U	12.0	402
84-66-2	Diethylphthalate		U	867	402
7005-72-3	4-Chlorophenyl phenyl ether		U	21.7	402
100-01-6	4-Nitroaniline		U	220	402
86-30-6	n-Nitrosodiphenylamine		U	17.7	402
103-33-3	1,2-Diphenylhydrazine		U	13.7	402

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 15.0 Grams
% Moisture: 17.0%
Extract Volume: 1 mL

Lab Sample ID: 11080666-004
Lab File ID: 5S1236.D
Date Collected: 16-Aug-11
Date Extracted: 19-Aug-11
Date Analyzed: 23-Aug-11
Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
101-55-3	4-Bromophenyl-phenyl ether		U	25.7	402
118-74-1	Hexachlorobenzene		U	36.1	402
1912-24-9	Atrazine		U	65.9	402
85-01-8	Phenanthrene		U	6.43	402
120-12-7	Anthracene		U	11.2	402
86-74-8	Carbazole		U	24.9	402
84-74-2	Di-n-butylphthalate		U	38.6	402
206-44-0	Fluoranthene		U	20.1	402
92-87-5	Benzidine		U	377	402
129-00-0	Pyrene		U	11.2	402
85-68-7	Butylbenzylphthalate		U	15.3	402
56-55-3	Benzo(a)anthracene		U	13.7	402
91-94-1	3,3'-Dichlorobenzidine		U	210	402
218-01-9	Chrysene		U	16.1	402
117-81-7	bis(2-Ethylhexyl)phthalate		U	275	402
117-84-0	Di-n-octylphthalate	80.1		24.9	402
205-99-2	Benzo(b)fluoranthene		U	27.3	402
207-08-9	Benzo(k)fluoranthene		U	21.7	402
50-32-8	Benzo(a)pyrene		U	15.3	402
193-39-5	Indeno(1,2,3-cd)pyrene		U	10.4	402
53-70-3	Dibenzo(a,h)anthracene		U	12.9	402
191-24-2	Benzo(g,h,i)perylene		U	20.9	402

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report
Tentatively Identified Compounds

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 15.0 Grams
% Moisture: 17.0%
Extract Volume: 1 mL

Lab Sample ID: 11080666-004
Lab File ID: 5S1236.D
Date Collected: 16-Aug-11
Date Extracted: 19-Aug-11
Date Analyzed: 23-Aug-11
Dilution Factor: 1

CAS No.	Compound	Est. Conc.	Q	RT
74381-40-1	Propanoic acid, 2-methyl-, 1-(1,1-	638	JN	13.58
629-50-5	Tridecane	447	JN	14.71
	unknown	333	J	15.65
54105-67-8	Heptadecane, 2,6-dimethyl-	406	JN	16.56
506-52-5	1-Hexacosanol	829	JN	20.66
	unknown	514	J	21.43
	unknown	521	J	21.54
	unknown	460	J	21.64

Number of TICs found: 8
Total Est. Concentration: 4148 ug/kg

Qualifiers : J=Estimated Concentration, N=Used When Reporting a Specific Tentatively Identified Compound

Aqua Pro-Tech Laboratories
EPA Method 8260 Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 5.0 Grams
Level: Low
% Moisture: 17.0%

Lab Sample ID: 11080666-004
Lab File ID: 4V4476.D
Date Collected: 16-Aug-11

Date Analyzed: 1-Sep-11
Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane		U	1.34	6.02
74-87-3	Chloromethane		U	0.783	6.02
107-02-8	Acrolein		U	4.92	24.1
75-01-4	Vinyl Chloride		U	1.13	6.02
74-83-9	Bromomethane		U	2.06	6.02
75-00-3	Chloroethane		U	2.75	6.02
75-69-4	Trichlorofluoromethane		U	1.41	6.02
76-13-1	1,1,2-Trichloro-1,2,2 trifluoroethar		U	2.52	6.02
67-64-1	Acetone		U	3.46	12
75-35-4	1,1-Dichloroethene		U	1.63	6.02
75-65-0	tert-Butyl Alcohol		U	11.7	60.2
79-20-9	Methyl Acetate		U	1.14	6.02
75-09-2	Methylene Chloride		U	0.988	6.02
75-15-0	Carbon Disulfide		U	0.831	6.02
107-13-1	Acrylonitrile		U	1.57	6.02
1634-04-4	Methyl tert-Butyl Ether		U	1.05	6.02
156-60-5	trans-1,2-Dichloroethene		U	0.807	6.02
75-34-3	1,1-Dichloroethane		U	1.01	6.02
108-05-4	Vinyl Acetate		U	1.49	6.02
78-93-3	2-Butanone		U	2.47	12
594-20-7	2,2-Dichloropropane		U	0.627	6.02
156-59-2	cis-1,2-Dichloroethene		U	0.627	6.02
67-66-3	Chloroform		U	0.940	6.02
74-97-5	Bromochloromethane		U	1.13	6.02
110-82-7	Cyclohexane		U	1.22	6.02
71-55-6	1,1,1-Trichloroethane		U	1.37	6.02
563-58-6	1,1-Dichloropropene		U	1.30	6.02
56-23-5	Carbon Tetrachloride		U	1.05	6.02
107-06-2	1,2-Dichloroethane		U	0.687	6.02
71-43-2	Benzene		U	0.663	6.02
79-01-6	Trichloroethene		U	0.988	6.02
108-87-2	Methylcyclohexane		U	1.23	6.02
78-87-5	1,2-Dichloropropane		U	0.952	6.02
75-27-4	Bromodichloromethane		U	0.928	6.02
123-91-1	p-Dioxane		U	0.00	120
74-95-3	Dibromomethane		U	1.02	6.02
110-75-8	2-Chloroethylvinyl ether		U	1.18	12
108-10-1	4-Methyl-2-Pentanone		U	0.904	12
10061-01-5	cis-1,3-Dichloropropene		U	0.229	6.02

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8260 Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 5.0 Grams
Level: Low
% Moisture: 17.0%

Lab Sample ID: 11080666-004
Lab File ID: 4V4476.D
Date Collected: 16-Aug-11

Date Analyzed: 1-Sep-11
Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
108-88-3	Toluene		U	0.434	6.02
10061-02-6	trans-1,3-Dichloropropene		U	0.530	6.02
79-00-5	1,1,2-Trichloroethane		U	0.819	6.02
591-78-6	2-Hexanone		U	1.33	12
142-28-9	1,3-Dichloropropane		U	0.759	6.02
127-18-4	Tetrachloroethene		U	0.807	6.02
124-48-1	Dibromochloromethane		U	0.819	6.02
106-93-4	1,2-Dibromoethane		U	0.458	6.02
108-90-7	Chlorobenzene		U	0.518	6.02
630-20-6	1,1,1,2-Tetrachloroethane		U	0.759	6.02
100-41-4	Ethylbenzene		U	0.482	6.02
1330-20-7	m+p-Xylenes		U	1.16	12
95-47-6	o-Xylene		U	0.952	6.02
100-42-5	Styrene		U	0.759	6.02
98-82-8	Isopropylbenzene		U	0.627	6.02
75-25-2	Bromoform		U	2.16	6.02
79-34-5	1,1,2,2-Tetrachloroethane		U	1.71	6.02
96-18-4	1,2,3-Trichloropropane		U	3.34	6.02
103-65-1	n-Propylbenzene		U	2.27	6.02
108-86-1	Bromobenzene		U	1.04	6.02
95-49-8	2-Chlorotoluene		U	0.554	6.02
106-43-4	4-Chlorotoluene		U	0.398	6.02
108-67-8	1,3,5-Trimethylbenzene		U	1.72	6.02
98-06-6	tert-Butylbenzene		U	1.69	6.02
95-63-6	1,2,4-Trimethylbenzene		U	1.80	12
135-98-8	sec-Butylbenzene		U	2.02	6.02
99-87-6	4-Isopropyltoluene		U	1.89	6.02
541-73-1	1,3-Dichlorobenzene		U	1.00	6.02
106-46-7	1,4-Dichlorobenzene		U	1.02	6.02
104-51-8	n-Butylbenzene		U	1.87	6.02
95-50-1	1,2-Dichlorobenzene		U	0.867	6.02
96-12-8	1,2-Dibromo-3-chloropropane		U	5.43	12
120-82-1	1,2,4-Trichlorobenzene		U	1.18	6.02
87-68-3	Hexachlorobutadiene		U	2.76	6.02
91-20-3	Naphthalene		U	1.11	6.02
87-61-6	1,2,3-Trichlorobenzene		U	2.17	6.02
496-11-7	Indan		U	0.00	0

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8260 Analytical Report
Tentatively Identified Compounds

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 5.0 Grams
Level: Low
% Moisture: 17.0%

Lab Sample ID: 11080666-004
Lab File ID: 4V4476.D
Date Collected: 16-Aug-11

Date Analyzed: 1-Sep-11
Dilution Factor: 1

CAS No.	Compound	Est. Conc.	Q	RT

Number of TICs found: 0
Total Est. Concentration: 0 ug/kg

Qualifiers : J=Estimated Concentration, N=Used When Reporting a Specific Tentatively Identified Compound

APL
AQUA PRO-TECH LABORATORIES

CERTIFICATIONS
NJ DEP 07010 / NY DOH 11634 / CT PH-0233
US ARMY CORPS (USACE)

ANALYTICAL RESULTS SUMMARY

Client	**AEI Consultants** 30 Montgomery St. Jersey City, NJ 07302	**APL Order ID Number**	**11080666**
		Date Sampled	08/16/2011 11:35
		Date Received	08/17/2011 10:24
Contact	Michael Taormina	**Matrix**	Soil
Project		**Site**	Buffalo 299363
Report Date	09/06/2011 12:49	**Customer Service Rep.**	

Sample Number/ Parameter	Method	Analysis Time	Analyst	Result	Units	MDL
11080666-005 AEI-B						
Antimony	SW 846 6010B	08/26/2011 12:19	MARKA	3.6	mg/kg	
Arsenic	SW 846 6010B	08/26/2011 12:19	MARKA	2.42	mg/kg	
Beryllium	SW 846 6010B	08/26/2011 12:19	MARKA	1.19	mg/kg	
Cadmium	SW 846 6010B	08/26/2011 12:19	MARKA	0.30	mg/kg	
Chromium	SW 846 6010B	08/26/2011 12:19	MARKA	15.5	mg/Kg	
Copper	SW 846 6010B	08/26/2011 12:19	MARKA	39.5	mg/kg	
Lead	SW 846 6010B	08/26/2011 12:19	MARKA	68.9	mg/kg	
Mercury	SW 846 7471A	08/22/2011 13:38	ASTOICA	<0.018	mg/kg	
Nickel	SW 846 6010B	08/26/2011 12:19	MARKA	14.5	mg/kg	
Percent Solids	Gravimetric	08/17/2011 18:42	MARKA	85.8	%	
Selenium	SW 846 6010B	08/26/2011 14:00	MARK	<0.74	mg/kg	
Semivolatile Organics	SW 846 8270C		SUDIP	SA		
Silver	SW 846 6010B	08/26/2011 14:00	MARK	<0.59	mg/Kg	
Thallium	SW 846 6010B	08/26/2011 14:00	MARK	<0.59	mg/kg	
Volatile Organics	SW 846 8260B		OLGA	SA		
Zinc	SW 846 6010B	08/26/2011 12:19	MARKA	77.5	mg/kg	

SA: See attached report

Brian Wood
Laboratory Director

QA

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Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 15.0 Grams
% Moisture: 14.2%
Extract Volume: 1 mL

Lab Sample ID: 11080666-005
Lab File ID: 5S1231.D
Date Collected: 16-Aug-11
Date Extracted: 19-Aug-11
Date Analyzed: 23-Aug-11
Dilution Factor: 2

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
110-86-1	Pyridine		U	446	777
62-75-9	n-Nitroso-dimethylamine		U	699	777
100-52-7	Benzaldehyde		U	232	777
62-53-3	Aniline		U	34.2	777
111-44-4	bis(2-Chloroethyl)ether		U	48.2	777
541-73-1	1,3-Dichlorobenzene		U	46.6	777
106-46-7	1,4-Dichlorobenzene		U	59.1	777
100-51-6	Benzyl Alcohol		U	1080	777
95-50-1	1,2-Dichlorobenzene		U	35.7	777
108-60-1	bis(2-Chloroisopropyl)ether		U	38.9	777
98-86-2	Acetophenone		U	205	777
621-64-7	n-Nitroso-di-n-propylamine		U	68.4	777
67-72-1	Hexachloroethane		U	43.5	777
98-95-3	Nitrobenzene		U	31.1	777
78-59-1	Isophorone		U	32.6	777
111-91-1	bis(2-Chloroethoxy)methane		U	52.8	777
120-82-1	1,2,4-Trichlorobenzene		U	54.4	777
91-20-3	Naphthalene		U	34.2	777
106-47-8	4-Chloroaniline		U	46.6	777
87-68-3	Hexachlorobutadiene		U	45.1	777
105-60-2	Caprolactam		U	141	777
91-57-6	2-Methylnaphthalene		U	40.4	777
77-47-4	Hexachlorocyclopentadiene		U	637	1550
92-52-4	Biphenyl		U	152	777
91-58-7	2-Chloronaphthalene		U	31.1	777
88-74-4	2-Nitroaniline		U	17.1	777
131-11-3	Dimethylphthalate		U	45.1	777
208-96-8	Acenaphthylene		U	24.9	777
606-20-2	2,6-Dinitrotoluene		U	65.3	777
99-09-2	3-Nitroaniline		U	758	777
83-32-9	Acenaphthene	231	D	31.1	777
132-64-9	Dibenzofuran	194	D	34.2	777
121-14-2	2,4-Dinitrotoluene		U	60.6	777
86-73-7	Fluorene	324	D	23.3	777
84-66-2	Diethylphthalate		U	1680	777
7005-72-3	4-Chlorophenyl phenyl ether		U	42.0	777
100-01-6	4-Nitroaniline		U	426	777
86-30-6	n-Nitrosodiphenylamine		U	34.2	777
103-33-3	1,2-Diphenylhydrazine		U	26.4	777

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 15.0 Grams
% Moisture: 14.2%
Extract Volume: 1 mL

Lab Sample ID: 11080666-005
Lab File ID: 5S1231.D
Date Collected: 16-Aug-11
Date Extracted: 19-Aug-11
Date Analyzed: 23-Aug-11
Dilution Factor: 2

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
101-55-3	4-Bromophenyl-phenyl ether		U	49.7	777
118-74-1	Hexachlorobenzene		U	69.9	777
1912-24-9	Atrazine		U	127	777
85-01-8	Phenanthrene	2500	D	12.4	777
120-12-7	Anthracene	554	D	21.8	777
86-74-8	Carbazole	353	D	48.2	777
84-74-2	Di-n-butylphthalate		U	74.6	777
206-44-0	Fluoranthene	2350	D	38.9	777
92-87-5	Benzidine		U	729	777
129-00-0	Pyrene	2020	D	21.8	777
85-68-7	Butylbenzylphthalate		U	29.5	777
56-55-3	Benzo(a)anthracene	1150	D	26.4	777
91-94-1	3,3'-Dichlorobenzidine		U	407	777
218-01-9	Chrysene	891	D	31.1	777
117-81-7	bis(2-Ethylhexyl)phthalate	210	BDJ	531	777
117-84-0	Di-n-octylphthalate		U	48.2	777
205-99-2	Benzo(b)fluoranthene	1010	D	52.8	777
207-08-9	Benzo(k)fluoranthene	325	D	42.0	777
50-32-8	Benzo(a)pyrene	794	D	29.5	777
193-39-5	Indeno(1,2,3-cd)pyrene	434	D	20.2	777
53-70-3	Dibenzo(a,h)anthracene		U	24.9	777
191-24-2	Benzo(g,h,i)perylene	508	D	40.4	777

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report
Tentatively Identified Compounds

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 15.0 Grams
% Moisture: 14.2%
Extract Volume: 1 mL

Lab Sample ID: 11080666-005
Lab File ID: 5S1231.D
Date Collected: 16-Aug-11
Date Extracted: 19-Aug-11
Date Analyzed: 23-Aug-11
Dilution Factor: 2

CAS No.	Compound	Est. Conc.	Q	RT
	unknown	944	J	15.5
192-97-2	Benzo[e]pyrene	656	JN	21.99

Number of TICs found: 2
Total Est. Concentration: 1600 ug/kg

Qualifiers : J=Estimated Concentration, N=Used When Reporting a Specific Tentatively Identified Compound

Aqua Pro-Tech Laboratories
EPA Method 8260 Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 5.0 Grams
Level: Low
% Moisture: 14.2%

Lab Sample ID: 11080666-005
Lab File ID: 4V4477.D
Date Collected: 16-Aug-11

Date Analyzed: 1-Sep-11
Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane		U	1.29	5.83
74-87-3	Chloromethane		U	0.758	5.83
107-02-8	Acrolein		U	4.76	23.3
75-01-4	Vinyl Chloride		U	1.10	5.83
74-83-9	Bromomethane		U	1.99	5.83
75-00-3	Chloroethane		U	2.66	5.83
75-69-4	Trichlorofluoromethane		U	1.36	5.83
76-13-1	1,1,2-Trichloro-1,2,2 trifluoroethan		U	2.44	5.83
67-64-1	Acetone		U	3.34	11.7
75-35-4	1,1-Dichloroethene		U	1.57	5.83
75-65-0	tert-Butyl Alcohol		U	11.4	58.3
79-20-9	Methyl Acetate		U	1.11	5.83
75-09-2	Methylene Chloride		U	0.956	5.83
75-15-0	Carbon Disulfide		U	0.804	5.83
107-13-1	Acrylonitrile		U	1.52	5.83
1634-04-4	Methyl tert-Butyl Ether		U	1.01	5.83
156-60-5	trans-1,2-Dichloroethene		U	0.781	5.83
75-34-3	1,1-Dichloroethane		U	0.979	5.83
108-05-4	Vinyl Acetate		U	1.45	5.83
78-93-3	2-Butanone		U	2.39	11.7
594-20-7	2,2-Dichloropropane		U	0.606	5.83
156-59-2	cis-1,2-Dichloroethene		U	0.606	5.83
67-66-3	Chloroform		U	0.909	5.83
74-97-5	Bromochloromethane		U	1.10	5.83
110-82-7	Cyclohexane		U	1.18	5.83
71-55-6	1,1,1-Trichloroethane		U	1.33	5.83
563-58-6	1,1-Dichloropropene		U	1.26	5.83
56-23-5	Carbon Tetrachloride		U	1.01	5.83
107-06-2	1,2-Dichloroethane		U	0.664	5.83
71-43-2	Benzene		U	0.641	5.83
79-01-6	Trichloroethene		U	0.956	5.83
108-87-2	Methylcyclohexane		U	1.19	5.83
78-87-5	1,2-Dichloropropane		U	0.921	5.83
75-27-4	Bromodichloromethane		U	0.897	5.83
123-91-1	p-Dioxane		U	0.00	117
74-95-3	Dibromomethane		U	0.991	5.83
110-75-8	2-Chloroethylvinyl ether		U	1.14	11.7
108-10-1	4-Methyl-2-Pentanone		U	0.874	11.7
10061-01-5	cis-1,3-Dichloropropene		U	0.221	5.83

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8260 Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 5.0 Grams
Level: Low
% Moisture: 14.2%

Lab Sample ID: 11080666-005
Lab File ID: 4V4477.D
Date Collected: 16-Aug-11

Date Analyzed: 1-Sep-11
Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
108-88-3	Toluene		U	0.420	5.83
10061-02-6	trans-1,3-Dichloropropene		U	0.513	5.83
79-00-5	1,1,2-Trichloroethane		U	0.793	5.83
591-78-6	2-Hexanone		U	1.28	11.7
142-28-9	1,3-Dichloropropane		U	0.734	5.83
127-18-4	Tetrachloroethene		U	0.781	5.83
124-48-1	Dibromochloromethane		U	0.793	5.83
106-93-4	1,2-Dibromoethane		U	0.443	5.83
108-90-7	Chlorobenzene		U	0.501	5.83
630-20-6	1,1,1,2-Tetrachloroethane		U	0.734	5.83
100-41-4	Ethylbenzene		U	0.466	5.83
1330-20-7	m+p-Xylenes		U	1.12	11.7
95-47-6	o-Xylene		U	0.921	5.83
100-42-5	Styrene		U	0.734	5.83
98-82-8	Isopropylbenzene		U	0.606	5.83
75-25-2	Bromoform		U	2.09	5.83
79-34-5	1,1,2,2-Tetrachloroethane		U	1.66	5.83
96-18-4	1,2,3-Trichloropropane		U	3.23	5.83
103-65-1	n-Propylbenzene		U	2.19	5.83
108-86-1	Bromobenzene		U	1.00	5.83
95-49-8	2-Chlorotoluene		U	0.536	5.83
106-43-4	4-Chlorotoluene		U	0.385	5.83
108-67-8	1,3,5-Trimethylbenzene		U	1.67	5.83
98-06-6	tert-Butylbenzene		U	1.63	5.83
95-63-6	1,2,4-Trimethylbenzene		U	1.74	11.7
135-98-8	sec-Butylbenzene		U	1.96	5.83
99-87-6	4-Isopropyltoluene		U	1.83	5.83
541-73-1	1,3-Dichlorobenzene		U	0.967	5.83
106-46-7	1,4-Dichlorobenzene		U	0.991	5.83
104-51-8	n-Butylbenzene		U	1.81	5.83
95-50-1	1,2-Dichlorobenzene		U	0.839	5.83
96-12-8	1,2-Dibromo-3-chloropropane		U	5.26	11.7
120-82-1	1,2,4-Trichlorobenzene		U	1.14	5.83
87-68-3	Hexachlorobutadiene		U	2.67	5.83
91-20-3	Naphthalene		U	1.07	5.83
87-61-6	1,2,3-Trichlorobenzene		U	2.10	5.83
496-11-7	Indan		U	0.00	0

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8260 Analytical Report
Tentatively Identified Compounds

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 5.0 Grams
Level: Low
% Moisture: 14.2%

Lab Sample ID: 11080666-005
Lab File ID: 4V4477.D
Date Collected: 16-Aug-11

Date Analyzed: 1-Sep-11
Dilution Factor: 1

CAS No.	Compound	Est. Conc.	Q	RT

Number of TICs found: 0
Total Est. Concentration: 0 ug/kg

Qualifiers : J=Estimated Concentration, N=Used When Reporting a Specific Tentatively Identified Compound

APL
AQUA PRO-TECH LABORATORIES

CERTIFICATIONS
NJ DEP 07010 / NY DOH 11634 / CT PH-0233
US ARMY CORPS (USACE)

ANALYTICAL RESULTS SUMMARY

Client	**AEI Consultants** 30 Montgomery St. Jersey City, NJ 07302	**APL Order ID Number**	**11080666**
		Date Sampled	08/16/2011 12:00
		Date Received	08/17/2011 10:24
Contact	Michael Taormina	**Matrix**	Soil
Project		**Site**	Buffalo 299363
Report Date	09/06/2011 12:49	**Customer Service Rep.**	

Sample Number/ Parameter	Method	Analysis Time	Analyst	Result	Units	MDL
11080666-006 AEI-B						
Antimony	SW 846 6010B	08/26/2011 12:24	MARKA	3.6	mg/kg	
Arsenic	SW 846 6010B	08/26/2011 12:24	MARKA	2.92	mg/kg	
Beryllium	SW 846 6010B	08/26/2011 12:24	MARKA	0.22	mg/kg	
Cadmium	SW 846 6010B	08/26/2011 14:00	MARK	<0.074	mg/kg	
Chromium	SW 846 6010B	08/26/2011 12:24	MARKA	20.4	mg/Kg	
Copper	SW 846 6010B	08/26/2011 12:24	MARKA	47.6	mg/kg	
Lead	SW 846 6010B	08/26/2011 12:24	MARKA	57.2	mg/kg	
Mercury	SW 846 7471A	08/22/2011 13:38	ASTOICA	0.147	mg/kg	
Nickel	SW 846 6010B	08/26/2011 12:24	MARKA	21.3	mg/kg	
Percent Solids	Gravimetric	08/17/2011 18:42	MARKA	83	%	
Selenium	SW 846 6010B	08/26/2011 14:00	MARK	<0.93	mg/kg	
Semivolatile Organics	SW 846 8270C		SUDIP	SA		
Silver	SW 846 6010B	08/26/2011 14:00	MARK	<0.74	mg/Kg	
Thallium	SW 846 6010B	08/26/2011 14:00	MARK	<0.74	mg/kg	
Volatile Organics	SW 846 8260B		OLGA	SA		
Zinc	SW 846 6010B	08/26/2011 12:24	MARKA	83.0	mg/kg	

SA: See attached report

Brian Wood
Laboratory Director

QA

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Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 15.0 Grams
% Moisture: 17.0%
Extract Volume: 1 mL

Lab Sample ID: 11080666-006
Lab File ID: 5S1237.D
Date Collected: 16-Aug-11
Date Extracted: 19-Aug-11
Date Analyzed: 23-Aug-11
Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
110-86-1	Pyridine		U	231	402
62-75-9	n-Nitroso-dimethylamine		U	361	402
100-52-7	Benzaldehyde		U	120	402
62-53-3	Aniline		U	17.7	402
111-44-4	bis(2-Chloroethyl)ether		U	24.9	402
541-73-1	1,3-Dichlorobenzene		U	24.1	402
106-46-7	1,4-Dichlorobenzene		U	30.5	402
100-51-6	Benzyl Alcohol		U	557	402
95-50-1	1,2-Dichlorobenzene		U	18.5	402
108-60-1	bis(2-Chloroisopropyl)ether		U	20.1	402
98-86-2	Acetophenone		U	106	402
621-64-7	n-Nitroso-di-n-propylamine		U	35.3	402
67-72-1	Hexachloroethane		U	22.5	402
98-95-3	Nitrobenzene		U	16.1	402
78-59-1	Isophorone		U	16.9	402
111-91-1	bis(2-Chloroethoxy)methane		U	27.3	402
120-82-1	1,2,4-Trichlorobenzene		U	28.1	402
91-20-3	Naphthalene		U	17.7	402
106-47-8	4-Chloroaniline		U	24.1	402
87-68-3	Hexachlorobutadiene		U	23.3	402
105-60-2	Caprolactam		U	73.1	402
91-57-6	2-Methylnaphthalene		U	20.9	402
77-47-4	Hexachlorocyclopentadiene		U	329	803
92-52-4	Biphenyl		U	78.7	402
91-58-7	2-Chloronaphthalene		U	16.1	402
88-74-4	2-Nitroaniline		U	8.84	402
131-11-3	Dimethylphthalate	200	B	23.3	402
208-96-8	Acenaphthylene		U	12.9	402
606-20-2	2,6-Dinitrotoluene		U	33.7	402
99-09-2	3-Nitroaniline		U	392	402
83-32-9	Acenaphthene		U	16.1	402
132-64-9	Dibenzofuran		U	17.7	402
121-14-2	2,4-Dinitrotoluene		U	31.3	402
86-73-7	Fluorene		U	12.0	402
84-66-2	Diethylphthalate	109	BJ	867	402
7005-72-3	4-Chlorophenyl phenyl ether		U	21.7	402
100-01-6	4-Nitroaniline		U	220	402
86-30-6	n-Nitrosodiphenylamine		U	17.7	402
103-33-3	1,2-Diphenylhydrazine		U	13.7	402

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 15.0 Grams
% Moisture: 17.0%
Extract Volume: 1 mL

Lab Sample ID: 11080666-006
Lab File ID: 5S1237.D
Date Collected: 16-Aug-11
Date Extracted: 19-Aug-11
Date Analyzed: 23-Aug-11
Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
101-55-3	4-Bromophenyl-phenyl ether		U	25.7	402
118-74-1	Hexachlorobenzene		U	36.1	402
1912-24-9	Atrazine		U	65.9	402
85-01-8	Phenanthrene	85.2		6.43	402
120-12-7	Anthracene		U	11.2	402
86-74-8	Carbazole		U	24.9	402
84-74-2	Di-n-butylphthalate		U	38.6	402
206-44-0	Fluoranthene	229		20.1	402
92-87-5	Benzidine		U	377	402
129-00-0	Pyrene	228		11.2	402
85-68-7	Butylbenzylphthalate		U	15.3	402
56-55-3	Benzo(a)anthracene	169		13.7	402
91-94-1	3,3'-Dichlorobenzidine		U	210	402
218-01-9	Chrysene	137		16.1	402
117-81-7	bis(2-Ethylhexyl)phthalate	66.3	BJ	275	402
117-84-0	Di-n-octylphthalate		U	24.9	402
205-99-2	Benzo(b)fluoranthene	165		27.3	402
207-08-9	Benzo(k)fluoranthene	46.1		21.7	402
50-32-8	Benzo(a)pyrene	129		15.3	402
193-39-5	Indeno(1,2,3-cd)pyrene	53.4		10.4	402
53-70-3	Dibenzo(a,h)anthracene		U	12.9	402
191-24-2	Benzo(g,h,i)perylene	65.9		20.9	402

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report
Tentatively Identified Compounds

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 15.0 Grams
% Moisture: 17.0%
Extract Volume: 1 mL

Lab Sample ID: 11080666-006
Lab File ID: 5S1237.D
Date Collected: 16-Aug-11
Date Extracted: 19-Aug-11
Date Analyzed: 23-Aug-11
Dilution Factor: 1

CAS No.	Compound	Est. Conc.	Q	RT
52783-43-4	Nonadecanol	770	JN	20.63
	unknown	874	J	21.44

Number of TICs found: 2
Total Est. Concentration: 1644 ug/kg

Qualifiers : J=Estimated Concentration, N=Used When Reporting a Specific Tentatively Identified Compound

Aqua Pro-Tech Laboratories
EPA Method 8260 Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 5.0 Grams
Level: Low
% Moisture: 17.0%

Lab Sample ID: 11080666-006
Lab File ID: 4V4478.D
Date Collected: 16-Aug-11

Date Analyzed: 1-Sep-11
Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane		U	1.34	6.02
74-87-3	Chloromethane		U	0.783	6.02
107-02-8	Acrolein		U	4.92	24.1
75-01-4	Vinyl Chloride		U	1.13	6.02
74-83-9	Bromomethane		U	2.06	6.02
75-00-3	Chloroethane		U	2.75	6.02
75-69-4	Trichlorofluoromethane		U	1.41	6.02
76-13-1	1,1,2-Trichloro-1,2,2 trifluoroethar		U	2.52	6.02
67-64-1	Acetone		U	3.46	12
75-35-4	1,1-Dichloroethene		U	1.63	6.02
75-65-0	tert-Butyl Alcohol		U	11.7	60.2
79-20-9	Methyl Acetate		U	1.14	6.02
75-09-2	Methylene Chloride		U	0.988	6.02
75-15-0	Carbon Disulfide		U	0.831	6.02
107-13-1	Acrylonitrile		U	1.57	6.02
1634-04-4	Methyl tert-Butyl Ether		U	1.05	6.02
156-60-5	trans-1,2-Dichloroethene		U	0.807	6.02
75-34-3	1,1-Dichloroethane		U	1.01	6.02
108-05-4	Vinyl Acetate		U	1.49	6.02
78-93-3	2-Butanone		U	2.47	12
594-20-7	2,2-Dichloropropane		U	0.627	6.02
156-59-2	cis-1,2-Dichloroethene		U	0.627	6.02
67-66-3	Chloroform		U	0.940	6.02
74-97-5	Bromochloromethane		U	1.13	6.02
110-82-7	Cyclohexane		U	1.22	6.02
71-55-6	1,1,1-Trichloroethane		U	1.37	6.02
563-58-6	1,1-Dichloropropene		U	1.30	6.02
56-23-5	Carbon Tetrachloride		U	1.05	6.02
107-06-2	1,2-Dichloroethane		U	0.687	6.02
71-43-2	Benzene		U	0.663	6.02
79-01-6	Trichloroethene		U	0.988	6.02
108-87-2	Methylcyclohexane		U	1.23	6.02
78-87-5	1,2-Dichloropropane		U	0.952	6.02
75-27-4	Bromodichloromethane		U	0.928	6.02
123-91-1	p-Dioxane		U	0.00	120
74-95-3	Dibromomethane		U	1.02	6.02
110-75-8	2-Chloroethylvinyl ether		U	1.18	12
108-10-1	4-Methyl-2-Pentanone		U	0.904	12
10061-01-5	cis-1,3-Dichloropropene		U	0.229	6.02

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8260 Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 5.0 Grams
Level: Low
% Moisture: 17.0%

Lab Sample ID: 11080666-006
Lab File ID: 4V4478.D
Date Collected: 16-Aug-11

Date Analyzed: 1-Sep-11
Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
108-88-3	Toluene		U	0.434	6.02
10061-02-6	trans-1,3-Dichloropropene		U	0.530	6.02
79-00-5	1,1,2-Trichloroethane		U	0.819	6.02
591-78-6	2-Hexanone		U	1.33	12
142-28-9	1,3-Dichloropropane		U	0.759	6.02
127-18-4	Tetrachloroethene		U	0.807	6.02
124-48-1	Dibromochloromethane		U	0.819	6.02
106-93-4	1,2-Dibromoethane		U	0.458	6.02
108-90-7	Chlorobenzene		U	0.518	6.02
630-20-6	1,1,1,2-Tetrachloroethane		U	0.759	6.02
100-41-4	Ethylbenzene		U	0.482	6.02
1330-20-7	m+p-Xylenes		U	1.16	12
95-47-6	o-Xylene		U	0.952	6.02
100-42-5	Styrene		U	0.759	6.02
98-82-8	Isopropylbenzene		U	0.627	6.02
75-25-2	Bromoform		U	2.16	6.02
79-34-5	1,1,2,2-Tetrachloroethane		U	1.71	6.02
96-18-4	1,2,3-Trichloropropane		U	3.34	6.02
103-65-1	n-Propylbenzene		U	2.27	6.02
108-86-1	Bromobenzene		U	1.04	6.02
95-49-8	2-Chlorotoluene		U	0.554	6.02
106-43-4	4-Chlorotoluene		U	0.398	6.02
108-67-8	1,3,5-Trimethylbenzene		U	1.72	6.02
98-06-6	tert-Butylbenzene		U	1.69	6.02
95-63-6	1,2,4-Trimethylbenzene		U	1.80	12
135-98-8	sec-Butylbenzene		U	2.02	6.02
99-87-6	4-Isopropyltoluene		U	1.89	6.02
541-73-1	1,3-Dichlorobenzene		U	1.00	6.02
106-46-7	1,4-Dichlorobenzene		U	1.02	6.02
104-51-8	n-Butylbenzene		U	1.87	6.02
95-50-1	1,2-Dichlorobenzene		U	0.867	6.02
96-12-8	1,2-Dibromo-3-chloropropane		U	5.43	12
120-82-1	1,2,4-Trichlorobenzene		U	1.18	6.02
87-68-3	Hexachlorobutadiene		U	2.76	6.02
91-20-3	Naphthalene		U	1.11	6.02
87-61-6	1,2,3-Trichlorobenzene		U	2.17	6.02
496-11-7	Indan		U	0.00	0

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8260 Analytical Report
Tentatively Identified Compounds

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 5.0 Grams
Level: Low
% Moisture: 17.0%

Lab Sample ID: 11080666-006
Lab File ID: 4V4478.D
Date Collected: 16-Aug-11

Date Analyzed: 1-Sep-11
Dilution Factor: 1

CAS No.	Compound	Est. Conc.	Q	RT

Number of TICs found: 0
Total Est. Concentration: 0 ug/kg

Qualifiers : J=Estimated Concentration, N=Used When Reporting a Specific Tentatively Identified Compound

APL
AQUA PRO-TECH LABORATORIES

CERTIFICATIONS
NJ DEP 07010 / NY DOH 11634 / CT PH-0233
US ARMY CORPS (USACE)

ANALYTICAL RESULTS SUMMARY

Client	**AEI Consultants** 30 Montgomery St. Jersey City, NJ 07302	**APL Order ID Number**	**11080666**
		Date Sampled	08/16/2011 12:45
		Date Received	08/17/2011 10:24
Contact	Michael Taormina	**Matrix**	Soil
Project		**Site**	Buffalo 299363
Report Date	09/06/2011 12:49	**Customer Service Rep.**	

Sample Number/ Parameter	Method	Analysis Time	Analyst	Result	Units	MDL
11080666-007 AEI-B						
Antimony	SW 846 6010B	08/26/2011 14:00	MARK	<0.72	mg/kg	
Arsenic	SW 846 6010B	08/26/2011 12:28	MARKA	1.77	mg/kg	
Beryllium	SW 846 6010B	08/26/2011 12:28	MARKA	0.93	mg/kg	
Cadmium	SW 846 6010B	08/26/2011 14:00	MARK	<0.072	mg/kg	
Chromium	SW 846 6010B	08/26/2011 12:28	MARKA	33.3	mg/Kg	
Copper	SW 846 6010B	08/26/2011 12:28	MARKA	32.4	mg/kg	
Lead	SW 846 6010B	08/26/2011 12:28	MARKA	31.1	mg/kg	
Mercury	SW 846 7471A	08/22/2011 13:38	ASTOICA	0.034	mg/kg	
Nickel	SW 846 6010B	08/26/2011 12:28	MARKA	37.5	mg/kg	
Percent Solids	Gravimetric	08/17/2011 18:42	MARKA	81.5	%	
Selenium	SW 846 6010B	08/26/2011 14:00	MARK	<0.9	mg/kg	
Semivolatile Organics	SW 846 8270C		SUDIP	SA		
Silver	SW 846 6010B	08/26/2011 14:00	MARK	<0.72	mg/Kg	
Thallium	SW 846 6010B	08/26/2011 14:00	MARK	<0.72	mg/kg	
Volatile Organics	SW 846 8260B		OLGA	SA		
Zinc	SW 846 6010B	08/26/2011 12:28	MARKA	92.5	mg/kg	

SA: See attached report

Brian Wood
Laboratory Director

QA

1275 BLOOMFIELD AVENUE, BLDG. 6, FAIRFIELD, NJ 07004 TEL 973 227 0422 FAX 973 227 2813

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 15.0 Grams
% Moisture: 18.5%
Extract Volume: 1 mL

Lab Sample ID: 11080666-007
Lab File ID: 5S1238.D
Date Collected: 16-Aug-11
Date Extracted: 19-Aug-11
Date Analyzed: 23-Aug-11
Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
110-86-1	Pyridine		U	235	409
62-75-9	n-Nitroso-dimethylamine		U	368	409
100-52-7	Benzaldehyde		U	122	409
62-53-3	Aniline		U	18.0	409
111-44-4	bis(2-Chloroethyl)ether		U	25.4	409
541-73-1	1,3-Dichlorobenzene		U	24.5	409
106-46-7	1,4-Dichlorobenzene		U	31.1	409
100-51-6	Benzyl Alcohol		U	567	409
95-50-1	1,2-Dichlorobenzene		U	18.8	409
108-60-1	bis(2-Chloroisopropyl)ether		U	20.4	409
98-86-2	Acetophenone		U	108	409
621-64-7	n-Nitroso-di-n-propylamine		U	36.0	409
67-72-1	Hexachloroethane		U	22.9	409
98-95-3	Nitrobenzene		U	16.4	409
78-59-1	Isophorone		U	17.2	409
111-91-1	bis(2-Chloroethoxy)methane		U	27.8	409
120-82-1	1,2,4-Trichlorobenzene		U	28.6	409
91-20-3	Naphthalene		U	18.0	409
106-47-8	4-Chloroaniline		U	24.5	409
87-68-3	Hexachlorobutadiene		U	23.7	409
105-60-2	Caprolactam		U	74.4	409
91-57-6	2-Methylnaphthalene		U	21.3	409
77-47-4	Hexachlorocyclopentadiene		U	335	818
92-52-4	Biphenyl		U	80.2	409
91-58-7	2-Chloronaphthalene		U	16.4	409
88-74-4	2-Nitroaniline		U	9.00	409
131-11-3	Dimethylphthalate	115	B	23.7	409
208-96-8	Acenaphthylene		U	13.1	409
606-20-2	2,6-Dinitrotoluene		U	34.4	409
99-09-2	3-Nitroaniline		U	399	409
83-32-9	Acenaphthene		U	16.4	409
132-64-9	Dibenzofuran		U	18.0	409
121-14-2	2,4-Dinitrotoluene		U	31.9	409
86-73-7	Fluorene		U	12.3	409
84-66-2	Diethylphthalate		U	883	409
7005-72-3	4-Chlorophenyl phenyl ether		U	22.1	409
100-01-6	4-Nitroaniline		U	224	409
86-30-6	n-Nitrosodiphenylamine		U	18.0	409
103-33-3	1,2-Diphenylhydrazine		U	13.9	409

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 15.0 Grams
% Moisture: 18.5%
Extract Volume: 1 mL

Lab Sample ID: 11080666-007
Lab File ID: 5S1238.D
Date Collected: 16-Aug-11
Date Extracted: 19-Aug-11
Date Analyzed: 23-Aug-11
Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
101-55-3	4-Bromophenyl-phenyl ether		U	26.2	409
118-74-1	Hexachlorobenzene		U	36.8	409
1912-24-9	Atrazine		U	67.1	409
85-01-8	Phenanthrene	232		6.54	409
120-12-7	Anthracene	70.8		11.5	409
86-74-8	Carbazole		U	25.4	409
84-74-2	Di-n-butylphthalate		U	39.3	409
206-44-0	Fluoranthene	211		20.4	409
92-87-5	Benzidine		U	384	409
129-00-0	Pyrene	177		11.5	409
85-68-7	Butylbenzylphthalate		U	15.5	409
56-55-3	Benzo(a)anthracene	133		13.9	409
91-94-1	3,3'-Dichlorobenzidine		U	214	409
218-01-9	Chrysene	118		16.4	409
117-81-7	bis(2-Ethylhexyl)phthalate	83	BJ	280	409
117-84-0	Di-n-octylphthalate	102		25.4	409
205-99-2	Benzo(b)fluoranthene	111		27.8	409
207-08-9	Benzo(k)fluoranthene		U	22.1	409
50-32-8	Benzo(a)pyrene	85.9		15.5	409
193-39-5	Indeno(1,2,3-cd)pyrene	48.4		10.6	409
53-70-3	Dibenzo(a,h)anthracene		U	13.1	409
191-24-2	Benzo(g,h,i)perylene	44.6		21.3	409

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report
Tentatively Identified Compounds

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 15.0 Grams
% Moisture: 18.5%
Extract Volume: 1 mL

Lab Sample ID: 11080666-007
Lab File ID: 5S1238.D
Date Collected: 16-Aug-11
Date Extracted: 19-Aug-11
Date Analyzed: 23-Aug-11
Dilution Factor: 1

CAS No.	Compound	Est. Conc.	Q	RT
	unknown	406	J	13.58
	unknown hydrocarbon	605	J	20.71
	unknown	332	J	21.32
	unknown	573	J	21.44
	unknown	774	J	21.54
	unknown	346	J	21.74

Number of TICs found: 6
Total Est. Concentration: 3036 ug/kg

Qualifiers : J=Estimated Concentration, N=Used When Reporting a Specific Tentatively Identified Compound

Aqua Pro-Tech Laboratories
EPA Method 8260 Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 5.0 Grams
Level: Low
% Moisture: 18.5%

Lab Sample ID: 11080666-007
Lab File ID: 4V4479.D
Date Collected: 16-Aug-11

Date Analyzed: 1-Sep-11
Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane		U	1.36	6.13
74-87-3	Chloromethane		U	0.798	6.13
107-02-8	Acrolein		U	5.01	24.5
75-01-4	Vinyl Chloride		U	1.15	6.13
74-83-9	Bromomethane		U	2.10	6.13
75-00-3	Chloroethane		U	2.80	6.13
75-69-4	Trichlorofluoromethane		U	1.44	6.13
76-13-1	1,1,2-Trichloro-1,2,2 trifluoroethar		U	2.56	6.13
67-64-1	Acetone		U	3.52	12.3
75-35-4	1,1-Dichloroethene		U	1.66	6.13
75-65-0	tert-Butyl Alcohol		U	12.0	61.3
79-20-9	Methyl Acetate		U	1.17	6.13
75-09-2	Methylene Chloride		U	1.01	6.13
75-15-0	Carbon Disulfide		U	0.847	6.13
107-13-1	Acrylonitrile		U	1.60	6.13
1634-04-4	Methyl tert-Butyl Ether		U	1.07	6.13
156-60-5	trans-1,2-Dichloroethene		U	0.822	6.13
75-34-3	1,1-Dichloroethane		U	1.03	6.13
108-05-4	Vinyl Acetate		U	1.52	6.13
78-93-3	2-Butanone		U	2.52	12.3
594-20-7	2,2-Dichloropropane		U	0.638	6.13
156-59-2	cis-1,2-Dichloroethene		U	0.638	6.13
67-66-3	Chloroform		U	0.957	6.13
74-97-5	Bromochloromethane		U	1.15	6.13
110-82-7	Cyclohexane		U	1.24	6.13
71-55-6	1,1,1-Trichloroethane		U	1.40	6.13
563-58-6	1,1-Dichloropropene		U	1.33	6.13
56-23-5	Carbon Tetrachloride		U	1.07	6.13
107-06-2	1,2-Dichloroethane		U	0.699	6.13
71-43-2	Benzene		U	0.675	6.13
79-01-6	Trichloroethene		U	1.01	6.13
108-87-2	Methylcyclohexane		U	1.25	6.13
78-87-5	1,2-Dichloropropane		U	0.969	6.13
75-27-4	Bromodichloromethane		U	0.945	6.13
123-91-1	p-Dioxane		U	0.00	123
74-95-3	Dibromomethane		U	1.04	6.13
110-75-8	2-Chloroethylvinyl ether		U	1.20	12.3
108-10-1	4-Methyl-2-Pentanone		U	0.920	12.3
10061-01-5	cis-1,3-Dichloropropene		U	0.233	6.13

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8260 Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample:
AEI-B

Sample Weight 5.0 Grams
Level: Low
% Moisture: 18.5%

Lab Sample ID: 11080666-007
Lab File ID: 4V4479.D
Date Collected: 16-Aug-11

Date Analyzed: 1-Sep-11
Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
108-88-3	Toluene		U	0.442	6.13
10061-02-6	trans-1,3-Dichloropropene		U	0.540	6.13
79-00-5	1,1,2-Trichloroethane		U	0.834	6.13
591-78-6	2-Hexanone		U	1.35	12.3
142-28-9	1,3-Dichloropropane		U	0.773	6.13
127-18-4	Tetrachloroethene		U	0.822	6.13
124-48-1	Dibromochloromethane		U	0.834	6.13
106-93-4	1,2-Dibromoethane		U	0.466	6.13
108-90-7	Chlorobenzene		U	0.528	6.13
630-20-6	1,1,1,2-Tetrachloroethane		U	0.773	6.13
100-41-4	Ethylbenzene		U	0.491	6.13
1330-20-7	m+p-Xylenes		U	1.18	12.3
95-47-6	o-Xylene		U	0.969	6.13
100-42-5	Styrene		U	0.773	6.13
98-82-8	Isopropylbenzene		U	0.638	6.13
75-25-2	Bromoform		U	2.20	6.13
79-34-5	1,1,2,2-Tetrachloroethane		U	1.74	6.13
96-18-4	1,2,3-Trichloropropane		U	3.40	6.13
103-65-1	n-Propylbenzene		U	2.31	6.13
108-86-1	Bromobenzene		U	1.06	6.13
95-49-8	2-Chlorotoluene		U	0.564	6.13
106-43-4	4-Chlorotoluene		U	0.405	6.13
108-67-8	1,3,5-Trimethylbenzene		U	1.75	6.13
98-06-6	tert-Butylbenzene		U	1.72	6.13
95-63-6	1,2,4-Trimethylbenzene		U	1.83	12.3
135-98-8	sec-Butylbenzene		U	2.06	6.13
99-87-6	4-Isopropyltoluene		U	1.93	6.13
541-73-1	1,3-Dichlorobenzene		U	1.02	6.13
106-46-7	1,4-Dichlorobenzene		U	1.04	6.13
104-51-8	n-Butylbenzene		U	1.90	6.13
95-50-1	1,2-Dichlorobenzene		U	0.883	6.13
96-12-8	1,2-Dibromo-3-chloropropane		U	5.53	12.3
120-82-1	1,2,4-Trichlorobenzene		U	1.20	6.13
87-68-3	Hexachlorobutadiene		U	2.81	6.13
91-20-3	Naphthalene		U	1.13	6.13
87-61-6	1,2,3-Trichlorobenzene		U	2.21	6.13
496-11-7	Indan		U	0.00	0

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8260 Analytical Report
Tentatively Identified Compounds

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 5.0 Grams
Level: Low
% Moisture: 18.5%

Lab Sample ID: 11080666-007
Lab File ID: 4V4479.D
Date Collected: 16-Aug-11

Date Analyzed: 1-Sep-11
Dilution Factor: 1

CAS No.	Compound	Est. Conc.	Q	RT

Number of TICs found: 0
Total Est. Concentration: 0 ug/kg

Qualifiers : J=Estimated Concentration, N=Used When Reporting a Specific Tentatively Identified Compound

APL
AQUA PRO-TECH LABORATORIES

CERTIFICATIONS
NJ DEP 07010 / NY DOH 11634 / CT PH-0233
US ARMY CORPS (USACE)

ANALYTICAL RESULTS SUMMARY

Client	**AEI Consultants** 30 Montgomery St. Jersey City, NJ 07302	**APL Order ID Number**	**11080666**
		Date Sampled	08/16/2011 13:45
		Date Received	08/17/2011 10:24
Contact	Michael Taormina	**Matrix**	Soil
Project		**Site**	Buffalo 299363
Report Date	09/06/2011 12:49	**Customer Service Rep.**	

Sample Number/ Parameter	Method	Analysis Time	Analyst	Result	Units	MDL
11080666-008 AEI-B						
Antimony	SW 846 6010B	08/26/2011 12:32	MARKA	0.4	mg/kg	
Arsenic	SW 846 6010B	08/26/2011 12:32	MARKA	1.22	mg/kg	
Beryllium	SW 846 6010B	08/26/2011 12:32	MARKA	0.60	mg/kg	
Cadmium	SW 846 6010B	08/26/2011 14:00	MARK	<0.058	mg/kg	
Chromium	SW 846 6010B	08/26/2011 12:32	MARKA	25.0	mg/Kg	
Copper	SW 846 6010B	08/26/2011 12:32	MARKA	18.1	mg/kg	
Lead	SW 846 6010B	08/26/2011 12:32	MARKA	26.6	mg/kg	
Mercury	SW 846 7471A	08/22/2011 13:38	ASTOICA	0.085	mg/kg	
Nickel	SW 846 6010B	08/26/2011 12:32	MARKA	16.4	mg/kg	
Percent Solids	Gravimetric	08/17/2011 18:42	MARKA	81.2	%	
Selenium	SW 846 6010B	08/26/2011 14:00	MARK	<0.72	mg/kg	
Semivolatile Organics	SW 846 8270C		SUDIP	SA		
Silver	SW 846 6010B	08/26/2011 14:00	MARK	<0.58	mg/Kg	
Thallium	SW 846 6010B	08/26/2011 14:00	MARK	<0.58	mg/kg	
Volatile Organics	SW 846 8260B		OLGA	SA		
Zinc	SW 846 6010B	08/26/2011 12:32	MARKA	108	mg/kg	

SA: See attached report

Brian Wood
Laboratory Director

QA

1275 BLOOMFIELD AVENUE, BLDG. 6, FAIRFIELD, NJ 07004 TEL 973 227 0422 FAX 973 227 2813

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 15.0 Grams
% Moisture: 18.8%
Extract Volume: 1 mL

Lab Sample ID: 11080666-008
Lab File ID: 5S1232.D
Date Collected: 16-Aug-11
Date Extracted: 19-Aug-11
Date Analyzed: 23-Aug-11
Dilution Factor: 2

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
110-86-1	Pyridine		U	471	821
62-75-9	n-Nitroso-dimethylamine		U	739	821
100-52-7	Benzaldehyde		U	245	821
62-53-3	Aniline		U	36.1	821
111-44-4	bis(2-Chloroethyl)ether		U	50.9	821
541-73-1	1,3-Dichlorobenzene		U	49.3	821
106-46-7	1,4-Dichlorobenzene		U	62.4	821
100-51-6	Benzyl Alcohol		U	1140	821
95-50-1	1,2-Dichlorobenzene		U	37.8	821
108-60-1	bis(2-Chloroisopropyl)ether		U	41.1	821
98-86-2	Acetophenone		U	217	821
621-64-7	n-Nitroso-di-n-propylamine		U	72.2	821
67-72-1	Hexachloroethane		U	46.0	821
98-95-3	Nitrobenzene		U	32.8	821
78-59-1	Isophorone		U	34.5	821
111-91-1	bis(2-Chloroethoxy)methane		U	55.8	821
120-82-1	1,2,4-Trichlorobenzene		U	57.5	821
91-20-3	Naphthalene		U	36.1	821
106-47-8	4-Chloroaniline		U	49.3	821
87-68-3	Hexachlorobutadiene		U	47.6	821
105-60-2	Caprolactam		U	149	821
91-57-6	2-Methylnaphthalene		U	42.7	821
77-47-4	Hexachlorocyclopentadiene		U	673	1640
92-52-4	Biphenyl		U	161	821
91-58-7	2-Chloronaphthalene		U	32.8	821
88-74-4	2-Nitroaniline		U	18.1	821
131-11-3	Dimethylphthalate	259	BD	47.6	821
208-96-8	Acenaphthylene	116	D	26.3	821
606-20-2	2,6-Dinitrotoluene		U	69.0	821
99-09-2	3-Nitroaniline		U	801	821
83-32-9	Acenaphthene	1060	D	32.8	821
132-64-9	Dibenzofuran	441	D	36.1	821
121-14-2	2,4-Dinitrotoluene		U	64.0	821
86-73-7	Fluorene	1920	D	24.6	821
84-66-2	Diethylphthalate		U	1770	821
7005-72-3	4-Chlorophenyl phenyl ether		U	44.3	821
100-01-6	4-Nitroaniline		U	450	821
86-30-6	n-Nitrosodiphenylamine		U	36.1	821
103-33-3	1,2-Diphenylhydrazine		U	27.9	821

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 15.0 Grams
% Moisture: 18.8%
Extract Volume: 1 mL

Lab Sample ID: 11080666-008
Lab File ID: 5S1232.D
Date Collected: 16-Aug-11
Date Extracted: 19-Aug-11
Date Analyzed: 23-Aug-11
Dilution Factor: 2

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
101-55-3	4-Bromophenyl-phenyl ether		U	52.5	821
118-74-1	Hexachlorobenzene		U	73.9	821
1912-24-9	Atrazine		U	135	821
85-01-8	Phenanthrene	9270	D	13.1	821
120-12-7	Anthracene	2700	D	23.0	821
86-74-8	Carbazole	942	D	50.9	821
84-74-2	Di-n-butylphthalate		U	78.8	821
206-44-0	Fluoranthene	16500	DE	41.1	821
92-87-5	Benzidine		U	770	821
129-00-0	Pyrene	8060	D	23.0	821
85-68-7	Butylbenzylphthalate		U	31.2	821
56-55-3	Benzo(a)anthracene	7990	D	27.9	821
91-94-1	3,3'-Dichlorobenzidine		U	430	821
218-01-9	Chrysene	8210	D	32.8	821
117-81-7	bis(2-Ethylhexyl)phthalate		U	562	821
117-84-0	Di-n-octylphthalate		U	50.9	821
205-99-2	Benzo(b)fluoranthene	9080	D	55.8	821
207-08-9	Benzo(k)fluoranthene	3910	D	44.3	821
50-32-8	Benzo(a)pyrene	5270	D	31.2	821
193-39-5	Indeno(1,2,3-cd)pyrene	2290	D	21.3	821
53-70-3	Dibenzo(a,h)anthracene	720	D	26.3	821
191-24-2	Benzo(g,h,i)perylene	2370	D	42.7	821

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 15.0 Grams
% Moisture: 18.8%
Extract Volume: 1 mL

Lab Sample ID: 11080666-008
Lab File ID: 5S1249.D
Date Collected: 16-Aug-11
Date Extracted: 19-Aug-11
Date Analyzed: 24-Aug-11
Dilution Factor: 10

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
110-86-1	Pyridine		U	2360	4110
62-75-9	n-Nitroso-dimethylamine		U	3690	4110
100-52-7	Benzaldehyde		U	1220	4110
62-53-3	Aniline		U	181	4110
111-44-4	bis(2-Chloroethyl)ether		U	255	4110
541-73-1	1,3-Dichlorobenzene		U	246	4110
106-46-7	1,4-Dichlorobenzene		U	312	4110
100-51-6	Benzyl Alcohol		U	5690	4110
95-50-1	1,2-Dichlorobenzene		U	189	4110
108-60-1	bis(2-Chloroisopropyl)ether		U	205	4110
98-86-2	Acetophenone		U	1080	4110
621-64-7	n-Nitroso-di-n-propylamine		U	361	4110
67-72-1	Hexachloroethane		U	230	4110
98-95-3	Nitrobenzene		U	164	4110
78-59-1	Isophorone		U	172	4110
111-91-1	bis(2-Chloroethoxy)methane		U	279	4110
120-82-1	1,2,4-Trichlorobenzene		U	287	4110
91-20-3	Naphthalene		U	181	4110
106-47-8	4-Chloroaniline		U	246	4110
87-68-3	Hexachlorobutadiene		U	238	4110
105-60-2	Caprolactam		U	747	4110
91-57-6	2-Methylnaphthalene		U	213	4110
77-47-4	Hexachlorocyclopentadiene		U	3370	8210
92-52-4	Biphenyl		U	805	4110
91-58-7	2-Chloronaphthalene		U	164	4110
88-74-4	2-Nitroaniline		U	90.3	4110
131-11-3	Dimethylphthalate		U	238	4110
208-96-8	Acenaphthylene		U	131	4110
606-20-2	2,6-Dinitrotoluene		U	345	4110
99-09-2	3-Nitroaniline		U	4010	4110
83-32-9	Acenaphthene	1170	D	164	4110
132-64-9	Dibenzofuran		U	181	4110
121-14-2	2,4-Dinitrotoluene		U	320	4110
86-73-7	Fluorene	2120	D	123	4110
84-66-2	Diethylphthalate		U	8870	4110
7005-72-3	4-Chlorophenyl phenyl ether		U	222	4110
100-01-6	4-Nitroaniline		U	2250	4110
86-30-6	n-Nitrosodiphenylamine		U	181	4110
103-33-3	1,2-Diphenylhydrazine		U	140	4110

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 15.0 Grams
% Moisture: 18.8%
Extract Volume: 1 mL

Lab Sample ID: 11080666-008
Lab File ID: 5S1249.D
Date Collected: 16-Aug-11
Date Extracted: 19-Aug-11
Date Analyzed: 24-Aug-11
Dilution Factor: 10

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
101-55-3	4-Bromophenyl-phenyl ether		U	263	4110
118-74-1	Hexachlorobenzene		U	369	4110
1912-24-9	Atrazine		U	673	4110
85-01-8	Phenanthrene	10000	D	65.7	4110
120-12-7	Anthracene	3010	D	115	4110
86-74-8	Carbazole		U	255	4110
84-74-2	Di-n-butylphthalate		U	394	4110
206-44-0	Fluoranthene	15600	D	205	4110
92-87-5	Benzidine		U	3850	4110
129-00-0	Pyrene	12700	D	115	4110
85-68-7	Butylbenzylphthalate		U	156	4110
56-55-3	Benzo(a)anthracene	10600	D	140	4110
91-94-1	3,3'-Dichlorobenzidine		U	2150	4110
218-01-9	Chrysene	8190	D	164	4110
117-81-7	bis(2-Ethylhexyl)phthalate		U	2810	4110
117-84-0	Di-n-octylphthalate		U	255	4110
205-99-2	Benzo(b)fluoranthene	9280	D	279	4110
207-08-9	Benzo(k)fluoranthene	2820	D	222	4110
50-32-8	Benzo(a)pyrene	5990	D	156	4110
193-39-5	Indeno(1,2,3-cd)pyrene	2680	D	107	4110
53-70-3	Dibenzo(a,h)anthracene		U	131	4110
191-24-2	Benzo(g,h,i)perylene	2920	D	213	4110

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report
Tentatively Identified Compounds

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 15.0 Grams
% Moisture: 18.8%
Extract Volume: 1 mL

Lab Sample ID: 11080666-008
Lab File ID: 5S1232.D
Date Collected: 16-Aug-11
Date Extracted: 19-Aug-11
Date Analyzed: 23-Aug-11
Dilution Factor: 2

CAS No.	Compound	Est. Conc.	Q	RT
4425-82-5	9H-Fluorene, 9-methylene-	2380	JN	15.51
832-64-4	Phenanthrene, 4-methyl-	2010	JN	16.65
610-48-0	Anthracene, 1-methyl-	2000	JN	16.71
	unknown hydrocarbon	1310	J	16.81
	unknown	2290	J	16.84
	unknown	1440	J	17.3
1576-67-6	Phenanthrene, 3,6-dimethyl-	1380	JN	17.83
	unknown	1090	J	17.88
	unknown	1990	J	19.14
243-17-4	11H-Benzo[b]fluorene	2050	JN	19.25
	unknown	1080	J	19.89
	unknown	1510	J	20.52
1705-84-6	Triphenylene, 2-methyl-	1570	JN	20.91
	unknown	4290	J	21.34
192-97-2	Benzo[e]pyrene	3520	JN	22

Number of TICs found: 15
Total Est. Concentration: 29910 ug/kg

Qualifiers : J=Estimated Concentration, N=Used When Reporting a Specific Tentatively Identified Compound

Aqua Pro-Tech Laboratories
EPA Method 8260 Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 5.0 Grams
Level: Low
% Moisture: 18.8%

Lab Sample ID: 11080666-008
Lab File ID: 4V4480.D
Date Collected: 16-Aug-11

Date Analyzed: 1-Sep-11
Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane		U	1.37	6.16
74-87-3	Chloromethane		U	0.800	6.16
107-02-8	Acrolein		U	5.02	24.6
75-01-4	Vinyl Chloride		U	1.16	6.16
74-83-9	Bromomethane		U	2.11	6.16
75-00-3	Chloroethane		U	2.81	6.16
75-69-4	Trichlorofluoromethane		U	1.44	6.16
76-13-1	1,1,2-Trichloro-1,2,2 trifluoroethar		U	2.57	6.16
67-64-1	Acetone		U	3.53	12.3
75-35-4	1,1-Dichloroethene		U	1.66	6.16
75-65-0	tert-Butyl Alcohol		U	12.0	61.6
79-20-9	Methyl Acetate		U	1.17	6.16
75-09-2	Methylene Chloride		U	1.01	6.16
75-15-0	Carbon Disulfide		U	0.850	6.16
107-13-1	Acrylonitrile		U	1.60	6.16
1634-04-4	Methyl tert-Butyl Ether		U	1.07	6.16
156-60-5	trans-1,2-Dichloroethene		U	0.825	6.16
75-34-3	1,1-Dichloroethane		U	1.03	6.16
108-05-4	Vinyl Acetate		U	1.53	6.16
78-93-3	2-Butanone		U	2.52	12.3
594-20-7	2,2-Dichloropropane		U	0.640	6.16
156-59-2	cis-1,2-Dichloroethene	2.03		0.640	6.16
67-66-3	Chloroform		U	0.961	6.16
74-97-5	Bromochloromethane		U	1.16	6.16
110-82-7	Cyclohexane		U	1.24	6.16
71-55-6	1,1,1-Trichloroethane		U	1.40	6.16
563-58-6	1,1-Dichloropropene		U	1.33	6.16
56-23-5	Carbon Tetrachloride		U	1.07	6.16
107-06-2	1,2-Dichloroethane		U	0.702	6.16
71-43-2	Benzene		U	0.677	6.16
79-01-6	Trichloroethene		U	1.01	6.16
108-87-2	Methylcyclohexane		U	1.26	6.16
78-87-5	1,2-Dichloropropane		U	0.973	6.16
75-27-4	Bromodichloromethane		U	0.948	6.16
123-91-1	p-Dioxane		U	0.00	123
74-95-3	Dibromomethane		U	1.05	6.16
110-75-8	2-Chloroethylvinyl ether		U	1.21	12.3
108-10-1	4-Methyl-2-Pentanone		U	0.924	12.3
10061-01-5	cis-1,3-Dichloropropene		U	0.234	6.16

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8260 Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 5.0 Grams
Level: Low
% Moisture: 18.8%

Lab Sample ID: 11080666-008
Lab File ID: 4V4480.D
Date Collected: 16-Aug-11

Date Analyzed: 1-Sep-11
Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
108-88-3	Toluene		U	0.443	6.16
10061-02-6	trans-1,3-Dichloropropene		U	0.542	6.16
79-00-5	1,1,2-Trichloroethane		U	0.837	6.16
591-78-6	2-Hexanone		U	1.35	12.3
142-28-9	1,3-Dichloropropane		U	0.776	6.16
127-18-4	Tetrachloroethene		U	0.825	6.16
124-48-1	Dibromochloromethane		U	0.837	6.16
106-93-4	1,2-Dibromoethane		U	0.468	6.16
108-90-7	Chlorobenzene		U	0.530	6.16
630-20-6	1,1,1,2-Tetrachloroethane		U	0.776	6.16
100-41-4	Ethylbenzene		U	0.493	6.16
1330-20-7	m+p-Xylenes		U	1.18	12.3
95-47-6	o-Xylene		U	0.973	6.16
100-42-5	Styrene		U	0.776	6.16
98-82-8	Isopropylbenzene		U	0.640	6.16
75-25-2	Bromoform		U	2.20	6.16
79-34-5	1,1,2,2-Tetrachloroethane		U	1.75	6.16
96-18-4	1,2,3-Trichloropropane		U	3.41	6.16
103-65-1	n-Propylbenzene		U	2.32	6.16
108-86-1	Bromobenzene		U	1.06	6.16
95-49-8	2-Chlorotoluene		U	0.566	6.16
106-43-4	4-Chlorotoluene		U	0.406	6.16
108-67-8	1,3,5-Trimethylbenzene		U	1.76	6.16
98-06-6	tert-Butylbenzene		U	1.72	6.16
95-63-6	1,2,4-Trimethylbenzene		U	1.83	12.3
135-98-8	sec-Butylbenzene		U	2.07	6.16
99-87-6	4-Isopropyltoluene		U	1.93	6.16
541-73-1	1,3-Dichlorobenzene		U	1.02	6.16
106-46-7	1,4-Dichlorobenzene		U	1.05	6.16
104-51-8	n-Butylbenzene		U	1.91	6.16
95-50-1	1,2-Dichlorobenzene		U	0.887	6.16
96-12-8	1,2-Dibromo-3-chloropropane		U	5.55	12.3
120-82-1	1,2,4-Trichlorobenzene		U	1.21	6.16
87-68-3	Hexachlorobutadiene		U	2.82	6.16
91-20-3	Naphthalene		U	1.13	6.16
87-61-6	1,2,3-Trichlorobenzene		U	2.22	6.16
496-11-7	Indan		U	0.00	0

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8260 Analytical Report
Tentatively Identified Compounds

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 5.0 Grams
Level: Low
% Moisture: 18.8%

Lab Sample ID: 11080666-008
Lab File ID: 4V4480.D
Date Collected: 16-Aug-11

Date Analyzed: 1-Sep-11
Dilution Factor: 1

CAS No.	Compound	Est. Conc.	Q	RT

Number of TICs found: 0
Total Est. Concentration: 0 ug/kg

Qualifiers : J=Estimated Concentration, N=Used When Reporting a Specific Tentatively Identified Compound

APL
AQUA PRO-TECH LABORATORIES

CERTIFICATIONS
NJ DEP 07010 / NY DOH 11634 / CT PH-0233
US ARMY CORPS (USACE)

ANALYTICAL RESULTS SUMMARY

Client	**AEI Consultants** 30 Montgomery St. Jersey City, NJ 07302	**APL Order ID Number**	**11080666**
		Date Sampled	08/16/2011 14:10
		Date Received	08/17/2011 10:24
Contact	Michael Taormina	**Matrix**	Soil
Project		**Site**	Buffalo 299363
Report Date	09/06/2011 12:49	**Customer Service Rep.**	

Sample Number/ Parameter	Method	Analysis Time	Analyst	Result	Units	MDL
11080666-009 AEI-B						
Antimony	SW 846 6010B	08/26/2011 13:59	MARKA	3.8	mg/kg	
Arsenic	SW 846 6010B	08/26/2011 13:59	MARKA	0.80	mg/kg	
Beryllium	SW 846 6010B	08/26/2011 13:59	MARKA	0.12	mg/kg	
Cadmium	SW 846 6010B	08/26/2011 14:00	MARK	<0.047	mg/kg	
Chromium	SW 846 6010B	08/26/2011 13:59	MARKA	23.7	mg/Kg	
Copper	SW 846 6010B	08/26/2011 13:59	MARKA	42.8	mg/kg	
Lead	SW 846 6010B	08/26/2011 13:59	MARKA	30.4	mg/kg	
Mercury	SW 846 7471A	08/22/2011 13:38	ASTOICA	0.081	mg/kg	
Nickel	SW 846 6010B	08/26/2011 13:59	MARKA	15.9	mg/kg	
Percent Solids	Gravimetric	08/17/2011 18:42	MARKA	82.5	%	
Selenium	SW 846 6010B	08/26/2011 14:00	MARK	<0.59	mg/kg	
Semivolatile Organics	SW 846 8270C		SUDIP	SA		
Silver	SW 846 6010B	08/26/2011 14:00	MARK	<0.47	mg/Kg	
Thallium	SW 846 6010B	08/26/2011 14:00	MARK	<0.47	mg/kg	
Volatile Organics	SW 846 8260B		OLGA	SA		
Zinc	SW 846 6010B	08/26/2011 13:59	MARKA	75.1	mg/kg	

SA: See attached report

Brian Wood
Laboratory Director

QA

1275 BLOOMFIELD AVENUE, BLDG. 6, FAIRFIELD, NJ 07004 TEL 973 227 0422 FAX 973 227 2813

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 15.0 Grams
% Moisture: 17.5%
Extract Volume: 1 mL

Lab Sample ID: 11080666-009
Lab File ID: 5S1233.D
Date Collected: 16-Aug-11
Date Extracted: 19-Aug-11
Date Analyzed: 23-Aug-11
Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
110-86-1	Pyridine		U	232	404
62-75-9	n-Nitroso-dimethylamine		U	364	404
100-52-7	Benzaldehyde		U	120	404
62-53-3	Aniline		U	17.8	404
111-44-4	bis(2-Chloroethyl)ether		U	25.1	404
541-73-1	1,3-Dichlorobenzene		U	24.2	404
106-46-7	1,4-Dichlorobenzene		U	30.7	404
100-51-6	Benzyl Alcohol		U	560	404
95-50-1	1,2-Dichlorobenzene		U	18.6	404
108-60-1	bis(2-Chloroisopropyl)ether		U	20.2	404
98-86-2	Acetophenone		U	107	404
621-64-7	n-Nitroso-di-n-propylamine		U	35.6	404
67-72-1	Hexachloroethane		U	22.6	404
98-95-3	Nitrobenzene		U	16.2	404
78-59-1	Isophorone		U	17.0	404
111-91-1	bis(2-Chloroethoxy)methane		U	27.5	404
120-82-1	1,2,4-Trichlorobenzene		U	28.3	404
91-20-3	Naphthalene		U	17.8	404
106-47-8	4-Chloroaniline		U	24.2	404
87-68-3	Hexachlorobutadiene		U	23.4	404
105-60-2	Caprolactam		U	73.5	404
91-57-6	2-Methylnaphthalene	1620		21.0	404
77-47-4	Hexachlorocyclopentadiene		U	331	808
92-52-4	Biphenyl		U	79.2	404
91-58-7	2-Chloronaphthalene		U	16.2	404
88-74-4	2-Nitroaniline		U	8.89	404
131-11-3	Dimethylphthalate		U	23.4	404
208-96-8	Acenaphthylene		U	12.9	404
606-20-2	2,6-Dinitrotoluene		U	33.9	404
99-09-2	3-Nitroaniline		U	394	404
83-32-9	Acenaphthene		U	16.2	404
132-64-9	Dibenzofuran		U	17.8	404
121-14-2	2,4-Dinitrotoluene		U	31.5	404
86-73-7	Fluorene	1060		12.1	404
84-66-2	Diethylphthalate		U	873	404
7005-72-3	4-Chlorophenyl phenyl ether		U	21.8	404
100-01-6	4-Nitroaniline		U	221	404
86-30-6	n-Nitrosodiphenylamine		U	17.8	404
103-33-3	1,2-Diphenylhydrazine		U	13.7	404

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 15.0 Grams
% Moisture: 17.5%
Extract Volume: 1 mL

Lab Sample ID: 11080666-009
Lab File ID: 5S1233.D
Date Collected: 16-Aug-11
Date Extracted: 19-Aug-11
Date Analyzed: 23-Aug-11
Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
101-55-3	4-Bromophenyl-phenyl ether		U	25.9	404
118-74-1	Hexachlorobenzene		U	36.4	404
1912-24-9	Atrazine		U	66.3	404
85-01-8	Phenanthrene	2090		6.46	404
120-12-7	Anthracene	655		11.3	404
86-74-8	Carbazole		U	25.1	404
84-74-2	Di-n-butylphthalate		U	38.8	404
206-44-0	Fluoranthene	992		20.2	404
92-87-5	Benzidine		U	379	404
129-00-0	Pyrene	965		11.3	404
85-68-7	Butylbenzylphthalate		U	15.4	404
56-55-3	Benzo(a)anthracene	415		13.7	404
91-94-1	3,3'-Dichlorobenzidine		U	212	404
218-01-9	Chrysene	331		16.2	404
117-81-7	bis(2-Ethylhexyl)phthalate	213	BJ	276	404
117-84-0	Di-n-octylphthalate		U	25.1	404
205-99-2	Benzo(b)fluoranthene	420		27.5	404
207-08-9	Benzo(k)fluoranthene	132		21.8	404
50-32-8	Benzo(a)pyrene	369		15.4	404
193-39-5	Indeno(1,2,3-cd)pyrene	221		10.5	404
53-70-3	Dibenzo(a,h)anthracene		U	12.9	404
191-24-2	Benzo(g,h,i)perylene	298		21.0	404

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8270 C Analytical Report
Tentatively Identified Compounds

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 15.0 Grams
% Moisture: 17.5%
Extract Volume: 1 mL

Lab Sample ID: 11080666-009
Lab File ID: 5S1233.D
Date Collected: 16-Aug-11
Date Extracted: 19-Aug-11
Date Analyzed: 23-Aug-11
Dilution Factor: 1

CAS No.	Compound	Est. Conc.	Q	RT
	unknown	2010	J	5.29
	unknown	3390	J	5.8
	unknown	8390	J	6.49
	unknown	2780	J	6.62
493-02-7	Naphthalene, decahydro-, trans-	2860	JN	7.01
	unknown	6890	J	7.32
74685-28-2	7-Hexadecyne	2920	JN	8.11
	unknown hydrocarbon	5350	J	9.3
62199-50-2	Cyclopentane, 1-butyl-2-propyl-	2210	JN	9.39
1465084	Nonane, 3-methyl-	3530	JN	10.06
	unknown	2200	J	10.28
17312-62-8	Decane, 5-propyl-	3840	JN	11.31
112-40-3	Dodecane	3230	JN	12.28
74645-98-0	Dodecane, 2,7,10-trimethyl-	3630	JN	14.8
	unknown	2000	J	18.02

Number of TICs found: 15
Total Est. Concentration: 55230 ug/kg

Qualifiers : J=Estimated Concentration, N=Used When Reporting a Specific Tentatively Identified Compound

Aqua Pro-Tech Laboratories
EPA Method 8260 Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 5.0 Grams
Level: Low
% Moisture: 17.5%

Lab Sample ID: 11080666-009
Lab File ID: 4V4481.D
Date Collected: 16-Aug-11

Date Analyzed: 2-Sep-11
Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane		U	1.35	6.06
74-87-3	Chloromethane		U	0.788	6.06
107-02-8	Acrolein		U	4.95	24.2
75-01-4	Vinyl Chloride		U	1.14	6.06
74-83-9	Bromomethane		U	2.07	6.06
75-00-3	Chloroethane		U	2.76	6.06
75-69-4	Trichlorofluoromethane		U	1.42	6.06
76-13-1	1,1,2-Trichloro-1,2,2 trifluoroethar		U	2.53	6.06
67-64-1	Acetone		U	3.48	12.1
75-35-4	1,1-Dichloroethene		U	1.64	6.06
75-65-0	tert-Butyl Alcohol		U	11.8	60.6
79-20-9	Methyl Acetate		U	1.15	6.06
75-09-2	Methylene Chloride		U	0.994	6.06
75-15-0	Carbon Disulfide		U	0.836	6.06
107-13-1	Acrylonitrile		U	1.58	6.06
1634-04-4	Methyl tert-Butyl Ether		U	1.05	6.06
156-60-5	trans-1,2-Dichloroethene		U	0.812	6.06
75-34-3	1,1-Dichloroethane		U	1.02	6.06
108-05-4	Vinyl Acetate		U	1.50	6.06
78-93-3	2-Butanone		U	2.48	12.1
594-20-7	2,2-Dichloropropane		U	0.630	6.06
156-59-2	cis-1,2-Dichloroethene		U	0.630	6.06
67-66-3	Chloroform		U	0.945	6.06
74-97-5	Bromochloromethane		U	1.14	6.06
110-82-7	Cyclohexane	1.06	J	1.22	6.06
71-55-6	1,1,1-Trichloroethane		U	1.38	6.06
563-58-6	1,1-Dichloropropene		U	1.31	6.06
56-23-5	Carbon Tetrachloride		U	1.05	6.06
107-06-2	1,2-Dichloroethane		U	0.691	6.06
71-43-2	Benzene		U	0.667	6.06
79-01-6	Trichloroethene		U	0.994	6.06
108-87-2	Methylcyclohexane	104		1.24	6.06
78-87-5	1,2-Dichloropropane		U	0.958	6.06
75-27-4	Bromodichloromethane		U	0.933	6.06
123-91-1	p-Dioxane		U	0.00	121
74-95-3	Dibromomethane		U	1.03	6.06
110-75-8	2-Chloroethylvinyl ether		U	1.19	12.1
108-10-1	4-Methyl-2-Pentanone		U	0.909	12.1
10061-01-5	cis-1,3-Dichloropropene		U	0.230	6.06

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8260 Analytical Report

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 5.0 Grams
Level: Low
% Moisture: 17.5%

Lab Sample ID: 11080666-009
Lab File ID: 4V4481.D
Date Collected: 16-Aug-11

Date Analyzed: 2-Sep-11
Dilution Factor: 1

CAS No.	Compound	Conc ug/kg	Q	MDL	PQL
108-88-3	Toluene	0.69		0.436	6.06
10061-02-6	trans-1,3-Dichloropropene		U	0.533	6.06
79-00-5	1,1,2-Trichloroethane		U	0.824	6.06
591-78-6	2-Hexanone		U	1.33	12.1
142-28-9	1,3-Dichloropropane		U	0.764	6.06
127-18-4	Tetrachloroethene		U	0.812	6.06
124-48-1	Dibromochloromethane		U	0.824	6.06
106-93-4	1,2-Dibromoethane		U	0.461	6.06
108-90-7	Chlorobenzene		U	0.521	6.06
630-20-6	1,1,1,2-Tetrachloroethane		U	0.764	6.06
100-41-4	Ethylbenzene	1.87		0.485	6.06
1330-20-7	m+p-Xylenes		U	1.16	12.1
95-47-6	o-Xylene		U	0.958	6.06
100-42-5	Styrene		U	0.764	6.06
98-82-8	Isopropylbenzene	3.27		0.630	6.06
75-25-2	Bromoform		U	2.17	6.06
79-34-5	1,1,2,2-Tetrachloroethane		U	1.72	6.06
96-18-4	1,2,3-Trichloropropane		U	3.36	6.06
103-65-1	n-Propylbenzene	5.95		2.28	6.06
108-86-1	Bromobenzene		U	1.04	6.06
95-49-8	2-Chlorotoluene		U	0.558	6.06
106-43-4	4-Chlorotoluene		U	0.400	6.06
108-67-8	1,3,5-Trimethylbenzene	1.54	J	1.73	6.06
98-06-6	tert-Butylbenzene		U	1.70	6.06
95-63-6	1,2,4-Trimethylbenzene	5.58		1.81	12.1
135-98-8	sec-Butylbenzene	7.56		2.04	6.06
99-87-6	4-Isopropyltoluene	1.13	J	1.90	6.06
541-73-1	1,3-Dichlorobenzene		U	1.01	6.06
106-46-7	1,4-Dichlorobenzene		U	1.03	6.06
104-51-8	n-Butylbenzene	12.7		1.88	6.06
95-50-1	1,2-Dichlorobenzene		U	0.873	6.06
96-12-8	1,2-Dibromo-3-chloropropane		U	5.47	12.1
120-82-1	1,2,4-Trichlorobenzene		U	1.19	6.06
87-68-3	Hexachlorobutadiene		U	2.78	6.06
91-20-3	Naphthalene	112		1.12	6.06
87-61-6	1,2,3-Trichlorobenzene		U	2.18	6.06
496-11-7	Indan		U	0.00	0

Qualifiers : U=Undetected, J=Estimated, B=Also Detected in Blank,
E=Exceeded Calibration - Dilution Required, D=Result of Dilution

Aqua Pro-Tech Laboratories
EPA Method 8260 Analytical Report
Tentatively Identified Compounds

Client: AEI Consultants
Project: Buffalo 299363
Matrix: Soil

Client Sample: AEI-B

Sample Weight 5.0 Grams
Level: Low
% Moisture: 17.5%

Lab Sample ID: 11080666-009
Lab File ID: 4V4481.D
Date Collected: 16-Aug-11

Date Analyzed: 2-Sep-11
Dilution Factor: 1

CAS No.	Compound	Est. Conc.	Q	RT
63366-65-4	9-Borabicyclo[3.3.1]nonane, 9-hyd	85.3	JN	21.77
934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	56.9	JN	22.26
767-58-8	1H-Indene, 2,3-dihydro-1-methyl-	55.4	JN	22.79
95-93-2	Benzene, 1,2,4,5-tetramethyl-	54.4	JN	23.01
	unknown hydrocarbon	47.5	J	23.16
527-53-7	Benzene, 1,2,3,5-tetramethyl-	109	JN	24.15
62108-25-2	Decane, 2,6,7-trimethyl-	39.5	JN	24.34
27133-93-3	2,3-Dihydro-1-methylindene	47.9	JN	24.42
	unknown hydrocarbon	48.8	J	24.77
74645-98-0	Dodecane, 2,7,10-trimethyl-	77.8	JN	26.49

Number of TICs found: 10
Total Est. Concentration: 622.5 ug/kg

Qualifiers : J=Estimated Concentration, N=Used When Reporting a Specific Tentatively Identified Compound