CHESTER ENGINEERS
1555 Coraopolis Heights Road - Moon Township, PA 15108
412.809.6600 – www.chesterengineers.com - Fax-412.809.6611

November 14, 2016

Chester Ref. 16-6214-ENV-04

Ms. Dawna Saunders, P.G.
Project Manager
Pennsylvania Department of Environmental Protection
400 Waterfront Drive
Pittsburgh, Pennsylvania 15222

RE: Request to Remove Western-Most Portion of Property from Act 2 Deed Restricted Property
Lexington Technology Park, Pittsburgh, Allegheny County, Pennsylvania

Dear Ms. Saunders:

On behalf of the Urban Redevelopment Authority of Pittsburgh (URA), Chester Engineers (Chester) is requesting that the western-most portion of the Lexington Technology Park Act 2 property be removed from the non-residential use only deed restricted (proposed) portion of the overall property (see Figure 1). The western-most parcel of Lexington Technology Park referenced above lies to the west of North Lexington Street as shown on Figure 2. Based on the findings presented below, the URA has demonstrated that this western-most parcel was not impacted by the industrial activities of the former site owner, Rockwell Automation, and thus does not need to be included with the remaining Act 2 portion of the property. As you may recall, the entire site has a proposed deed notification regarding impacted soils that remain on the eastern portion of the site, and has a proposed deed restriction for non-residential use only since impacted soils remained in excess of residential Statewide Health Standards (SHSs) which are also referred to herein as Medium Specific Concentrations (MSCs).

Although this western-most portion of the property was not used for industrial activities in the past, it was nonetheless included as part of the overall Act 2 property at the time the site was administered through the Land Recycling Program. It should be noted that Rockwell Automation retained the environmental liability for the site even though they donated it to the URA in 1996. Thus, Rockwell had an interest in obtaining Act 2 closure in the most expedient manner without regard to delineation of possible non-impacted areas.

Also, a request for a non-use aquifer designation was undertaken by a prior consultant given that it was demonstrated that groundwater use was not occurring downgradient of the site and unlikely to occur in the foreseeable future. Groundwater closure under a non-use scenario, was granted by PADEP in 2003. This resulted in a proposed deed restriction on the use of groundwater for the entire property. It should be noted that groundwater monitoring on the western-most parcel (completed as part of prior Rockwell site characterization work) did not indicate the presence of contaminants. In keeping with the request to separate the western-most parcel from the remaining Act 2 property, and removing potential encumbrances, we would like to remove the western-most parcel from the proposed groundwater deed

restriction as well. As a practical matter, there are no foreseeable plans where groundwater from beneath the western-most property would be withdrawn.

Background Information

Review DEP Project Files

Historic reports (submitted to PADEP by others) indicated that three soil borings were performed in the area of interest on the western-most portion of the property. Chester completed an informal review of PADEP files on June 30, 2016 and was able to determine that the historical borings SB-A, SB-B, and SB-C were metals composites (each composed of five separate samples) to establish site specific background levels. One of the boring composites (SB-B, from 0-2 feet bgs) did indicate a lead level of 560 mg/Kg. The composite metals samples contained both a shallow sample (either 0-2 feet bgs or 1-3 feet bgs) and a deeper 5-7 foot bgs interval. The remaining composites all contained metals at concentrations that were indicative of typical urban fill material, and were also below the SHSs (effective at the time of the Final Report).

Review of Site Data to Confirm Historical Use

The western-most portion of property has historically either been used for residential dwellings or most recently as a parking lot (in the northern portion). Chester reviewed Sanborn Maps presented in the Final Site Characterization Report (BBL, dated February 2003), to help confirm site use history. Sanborn Maps for the area are present for years 1882, 1893, 1899, 1904, 1906, 1911, 1925, 1951, 1969, and 1985 (refer to Attachment A). Also, Chester reviewed an Aerial Photo Decade Package from EDR to verify site use and to look for evidence of any signs of surface disturbance or waste dumping. This Package included aerial photographs from 1938, 1949, 1956, 1967, 1973, 1983, 1988, 1995, 2005, 2006, 2008, and 2010 (refer to Attachment B). The results of both the Sanborn map and aerial photo review do confirm that the western-most portion of the property has been used historically for residential dwellings, and more recently as a parking area (northern portion). The transition between residential dwellings and parking area occurred between 1956 and 1967. Demolition of some residential dwellings south of McPherson Blvd and east of North Homewood Ave. also began about this same time (in the area of borings CB-6 and CB-7 as shown on Figure 3).

Site Characterization

Soil Borings and Soil Sample Collection

In order to collect current, additional, more comprehensive soil quality information on the western-most parcel, the URA recently undertook a soil sampling activity to augment the original background samples (which were for metals only). Seven soil borings were completed in the area shown on Figure 3. Eight borings were originally planned for the investigation area, however soil boring CB-3 could not be completed as the probe was not able to penetrate below the surface (five different attempts in this area were made). It appeared that hard slag material was providing the refusal just below the surface asphalt paving. There is no evidence that the slag originated from Rockwell site operations. The source is not known but presumed to be typical urban use of subgrade preparation using slag before paving. Also, the probe at boring CB-7 was not able to penetrate below 6 feet.

A GeoProbe was used to collect a majority of the soil samples, although a hand auger was used for CB-8 due to accessibility concerns. Soil borings were completed on August 8, 2016 and were performed by Geo-Environmental Drilling Co., Inc. (Pittsburgh, Pennsylvania) and overseen by a Chester Professional Geologist.

Soil cores were logged for lithology and groundwater presence, visually inspected for signs of contamination (e.g., discoloration), and screened for volatile organic compound (VOC) presence using a photo-ionization detector (PID). Two soil samples, if possible, were collected from the unsaturated zone in each of the borings; One sample from the shallow historical fill material (if present) and one sample of the underlying native soil (or historical fill) material if indeterminate. Sampling locations within the borehole were selected based on visual inspection and on PID screening results. If there was no evidence of contamination, samples were collected at the approximate midpoint of the zone. Soil samples were not collected from saturated zones. Soil borings were completed to a maximum depth of 14 feet, unless boring refusal was encountered, or it was determined that a native soil horizon had already been obtained. Soil boring logs are provided as Attachment C. The logs provide information such as soil descriptions, sample interval submitted for analyses, PID readings, and an indication if the soil interval represents fill or native soil.

Soil sample intervals were submitted to TestAmerica (Pittsburgh, PA) for analysis of Target Compound List Volatile Organic Compounds (TCL VOCs), Target Compound List Semi-volatile Organic Compounds (TCL SVOCs), and Priority Pollutant (PPL) Metals plus cobalt and vanadium. These analytes for the shallow fill and native unconsolidated material represent a comprehensive suite of typical contaminant classes that may be found in an urban environment.

<u>Soil Quality Assessment</u>
Because the possible future use of the western-most property may be for residential housing, the residential MSCs were used for comparison purposes against the acquired analytical data. At this point, the 15-foot depth criteria is somewhat ambiguous given that any future design grades may call for the removal or addition of soil to the site, thus changing that upper 15-foot interval relative to final design grades.

For the soil-to-groundwater pathway, the tabulated MSCs are not based on specific depth increments, but are contingent on the presence of a specified soil buffer distance between the bottom of any contamination and the static groundwater level or bedrock. Soil concentrations cannot exceed the practical quantitation limit (PQL) or background concentration throughout the buffer interval. If the buffer distance criteria are not satisfied, then more stringent MSCs may be applicable. In such instances, the soil-to-groundwater MSC is reduced by a factor of 10x.

Additionally, per Act 2, a background standard, rather than MSCs, may be used for soil constituents if it can be determined that those constituents are naturally occurring even if they are at concentrations which exceed the health-based MSCs.

Many of the Act 2 MSCs were recently amended as part of review by the Independent Regulatory Review Commission (IRRC) and formally became effective on August 27, 2016 with their inclusion in the Pennsylvania Bulletin.

Also, the sample results were compared to the PADEP Management of Fill (clean fill limit) values for organic and inorganic compounds since ultimately soil may need to be removed for any future construction activities. It should be noted that the clean fill limits are in the process of being revised and it is anticipated that they will be modified in the near future to align with the more restrictive of the direct contract or soil-to-groundwater MSCs for a particular constituent.

Soil Sample Analytical Results

Laboratory analytical results are summarized in Tables 1, 2, and 3 (attached) and laboratory analytical reports are provided as Attachment D. Table 1 provides a summary of the TCL VOC results. No VOCs were detected in any of the samples except for a consistent low level presence of methylene chloride (presented with both "J" and "B" qualifiers (refer to Table 1 for a definition of these qualifiers). The consistent low level presence plus the "B" qualifier appears to indicate that the occurrence is caused by a laboratory contaminant and is not inherent to the sample. In any event, the concentrations were significantly below both the Act 2 residential MSCs and the clean fill limits.

The TCL SVOC results indicated low levels of multiple compounds, primarily polynuclear aromatic hydrocarbons (PAHs) many of which were "J" values (see Table 2). All of the results were below the Act 2 residential MSCs and the clean fill limits. The detected low level hydrocarbons are representative of an urban environment where cumulative automotive drips or heating oil use may have resulted in minor impacts to the underlying soil.

Metals results are provided in Table 3. Trace levels of metals were found in most of the samples. Significant concentrations of lead were not duplicated in the sample from CB-6 (which was proximate to the original metals background location SB-B). Moderate lead levels were observed in samples from Borings CB-7 and CB-8, although neither approached the Act 2 MSCs or the clean fill limits. Arsenic exceeded the residential soil direct contact Act 2 MSC and clean fill limit (12 mg/Kg) at four of the thirteen samples analyzed with concentrations of 13 mg/Kg, 14 mg/Kg, 16 mg/Kg and 16 mg/Kg. Cadmium exceeded the residential soil direct contact Act 2 MSC (1.2 mg/Kg) in one of the soil samples at 1.3 mg/Kg. Vanadium exceeded the direct contact Act 2 MSC (recently reduced to 15 mg/Kg) in a majority of the sample intervals at concentrations ranging from 8.3 mg/Kg to 31 mg/Kg. Cobalt was also detected in a significant number of the samples at concentrations above the clean fill limits (which, again, are expected to be revised to align with the health-based MSCs.)

Metals Sample Results Discussion

Arsenic, cobalt, and vanadium are commonly found to be naturally occurring in Pennsylvania soils at concentrations which exceed their respective MSCs and/or clean fill limits. In the samples Chester collected from the site, arsenic, cobalt, and vanadium were found in both fill and native soils. Thus, these concentrations, which exceed their respective Act 2 MSC and/or clean fill limits, may be indicative of background conditions. Additionally, arsenic and vanadium are common constituents in Pennsylvania coals. The presence of arsenic and vanadium in coal as a source material is evident in the USGS coal quality database. For instance, vanadium is present in the Pittsburgh Coal at concentrations greater than the 15 mg/Kg residential direct contact MSC. Allegheny County values in the USGS coal quality database range from 9.98 up to 38.7 mg/Kg. For this reason, arsenic and vanadium can also come from air emissions washout or the spreading of coal ash when coal is burned for industrial or home heating. Additionally, the property is adjacent to the mainline railroad tracks which predate the 1890's residential

construction. The use of coal in steam locomotives would also have been a source of arsenic to adjacent locations. Arsenic and vanadium would have been a component in the locomotive ash. The coal cars on trains would also have been a source of raw coal fines. The coal fines would have been stirred up as a dust by passing trains. Thus, coal is a contributor to area-wide background quality.

The detection of cadmium at CB-7 just above the newly established residential direct contact MSC may very well be related to homeowner activities such as automotive brake repair. This concentration is not at all atypical for an urban environment. Given that the historical land use has been exclusively either as an empty lot or for residential dwellings, there is nothing to suggest that large scale soil impacts would be present as there is no indication of any industrial activities in this area. Thus, the exceedance of the cadmium MSC at the one sample location is indicative of an historical urban background environment. As a note, cadmium is typically present in the Pittsburgh coal at concentrations substantially lower than Act 2 MSC levels.

Summary

Given the information provided above, it has been demonstrated that the western-most portion of the Lexington Technology Park was not impacted due to historic activities related to the Rockwell facility. A review of the historical property use was that of residential dwellings, and more recently, automobile parking. No industrial activities or waste disposal was observed to have ever existed for the portion of the Act 2 property lying west of North Lexington Street.

Soil samples collected from this parcel contained fill and native materials which had low level SVOC concentrations that were of an urban background-level environment. Several metals concentrations, while exceeding direct contact MSCs and/or clean fill concentrations, were likely the result of historic activities either related to the presence of coal fines and coal ash washout, or homeowner maintenance activities. The presence of contaminants was not due to the historic industrial activities associated with the other portions of the site.

For those reasons, the western-most portion of the property indicated on Figure 2 should be excluded from the remainder of the Lexington Technology Park Act 2 'mother' property and any associated deed restrictions.

Please contact me with any questions or concerns at (412) 809–6718 or via email at ddusbiber@chesterengineers.com.

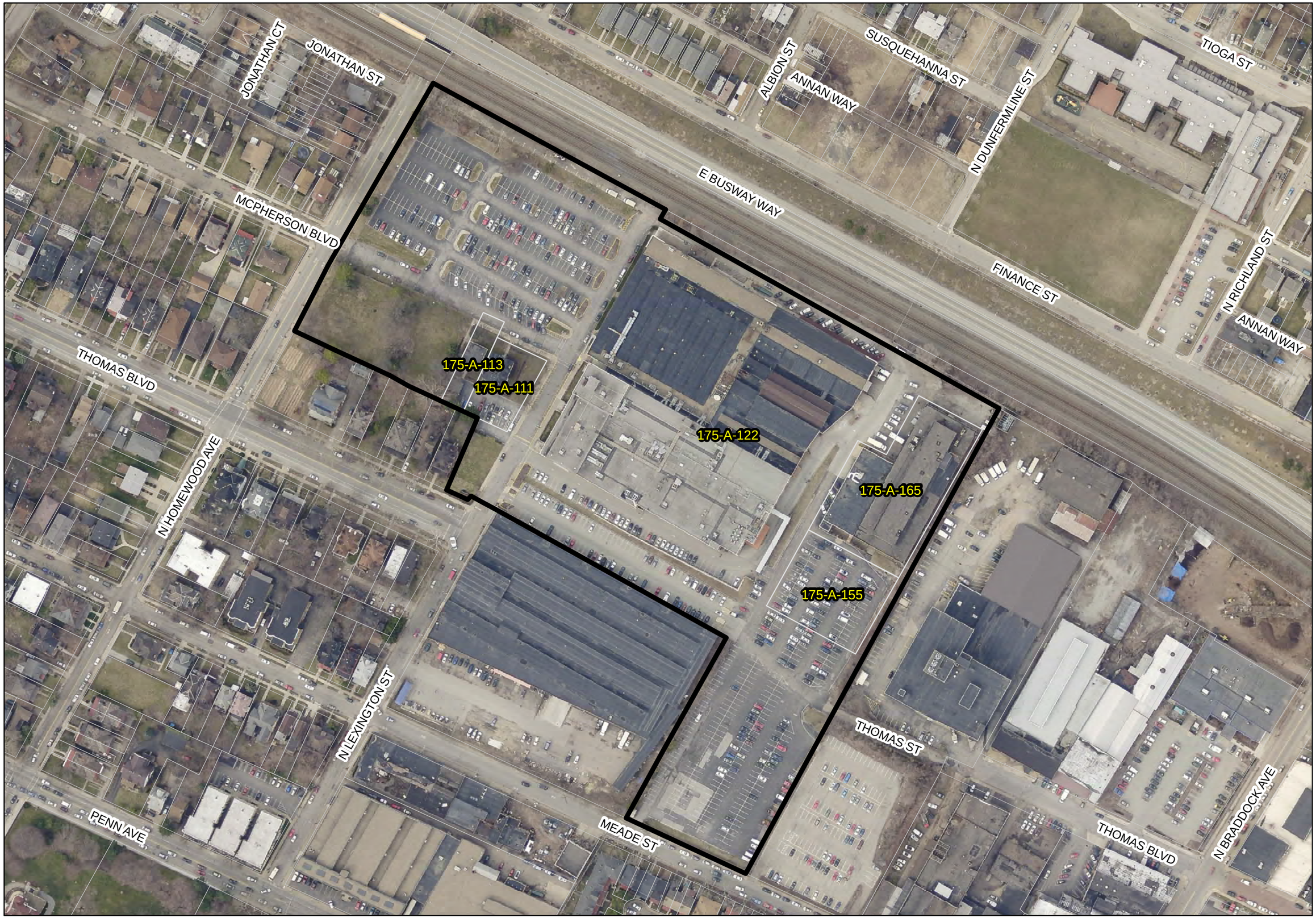
Sincerely,

Douglas M. Dusbiber, P.G.
Project Manager

Attachments

cc: Martin Kaminski, URA

Figures



1 inch = 150 feet

Lexington Technology Park
Overall Property Boundary
Figure 1

Legend

- Property Boundary
- Parcels

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1 inch = 150 feet

Lexington Technology Park
Property Boundary and Property of Interest
Figure 2

Legend

- Property of Interest
- Property Boundary
- Parcels

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PH: 412-809-6600
FAX: 412-809-6611
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1 inch = 100 feet

Lexington Technology Park
Soil Boring Locations
Figure 3

Legend

- Chester Boring Location
- Historic Composite Sample Location
- Historic Monitor Well (Abandoned)
- Property of Interest

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Tables

Table 1
Lexington Technology Park
Pittsburgh, Pennsylvania

Soil Boring Data - Soil Samples
VOC Results

Analyte	Units	Act 2 Medium Specific Concentration Direct Contact Residential 0 - 15'	Soil-to-Groundwater Residential	Table FP-1a Clean Fill Concentration Limits for Organics	CB-1 2-4' (fill)	CB-1 6-8' (native)	CB-2 0-4' (fill)	CB-2 6-8' (native)	CB-4 0-2' (fill)	CB-4 4-8' (fill/native)	CB-5 4-6' (fill)	CB-5 10-11.5' (native)	CB-6 0-2' (fill)	CB-6 10-12' (native)	CB-7 0-4' (fill)	CB-8 0-2' (fill)	CB-8 2-4' (native)
1,1,1-Trichloroethane	µg/kg	10000000	20000	7200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	µg/kg	7700	30	9.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/kg	10000000	10000000	26000000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	µg/kg	4000	500	150	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	µg/kg	280000	3100	650	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	µg/kg	3800000	700	190	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	µg/kg	640000	7000	27000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	µg/kg	29	20	9.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	µg/kg	740	5	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	µg/kg	3800000	60000	59000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	µg/kg	17000	500	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	µg/kg	45000	500	110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	µg/kg	10000000	60000	61000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	µg/kg	40000	7500	10000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	µg/kg	10000000	400000	54000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	µg/kg	570000	6300	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	µg/kg	10000000	290000	2900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	µg/kg	10000000	430000	41000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	µg/kg	57000	500	130	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	µg/kg	410000	8000	4400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	µg/kg	96000	1000	540	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	µg/kg	10000000	150000	160000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	µg/kg	74000	500	260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	µg/kg	960000	10000	6100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorodibromomethane	µg/kg	17000	8000	3200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	µg/kg	6400000	25000	5000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	µg/kg	19000	8000	2500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	µg/kg	250000	3000	38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	µg/kg	440000	7000	1600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	µg/kg	110000	660	120*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	µg/kg	10000000	1300000	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorobromomethane	µg/kg	17000	8000	3400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	µg/kg	1900000	100000	100000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	µg/kg	180000	70000	46000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	µg/kg	7700000	84000	780000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	µg/kg	10000000	3700000	690000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	µg/kg	1700000	2000	280	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	µg/kg	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	µg/kg	1300000	500	76	1.5 J B	1.7 J B	1.9 J B	1.7 J B	1.5 J B	2.5 J B	1.3 J B	1.7 J B	1.3 J B	1.1 J B	1.2 J B	1.4 J B	1.2 J B
Styrene	µg/kg	10000000	10000	24000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	µg/kg	770000	500	430	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	µg/kg	10000000	100000	44000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	µg/kg	1100000	10000	2300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	µg/kg	110000	660	120*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	µg/kg	38000	500	170	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	µg/kg	10000000	200000	87000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	µg/kg	900	200	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (total)	µg/kg	1900000	1000000	990000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
ND = Not Detected above Reporting Limit
B = Compound was found in the blank and sample
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
Blue Highlighted Cell = Recently amended MSC

Table 2
Lexington Technology Park
Pittsburgh, Pennsylvania

Soil Boring Data - Soil Samples
SVOC Results

Parameter	Units	Act 2 Medium Specific Concentration Direct Contact Residential 0 - 15'	Soil-to-Groundwater Residential	Table FP-1a Clean Fill Concentration Limits for Organics	CB-1 2-4' (fill)	CB-1 6-8' (native)	CB-2 0-4' (fill)	CB-2 6-8' (native)	CB-4 0-2' (fill)	CB-4 4-8' (fill/native)	CB-5 4-6' (fill)	CB-5 10-11.5 (native)	CB-6 0-2' (fill)	CB-6 10-12' (native)	CB-7 0-4' (fill)	CB-8 0-2' (fill)	CB-8 2-4' (native)
1,2,4-Trichlorobenzene	ug/Kg	2200000	27000	27000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/Kg	3800000	60000	59000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ug/Kg	10000000	61000	61000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/Kg	40000	10000	10000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2'-oxybis[1-chloropropane]	ug/Kg	44000	30000	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ug/Kg	22000000	2600000	2300000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ug/Kg	220000	12000	3100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ug/Kg	660000	2000	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ug/Kg	4400000	83000	32000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	ug/Kg	440000	8300	210	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ug/Kg	60000	240	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ug/Kg	12000	49	1100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ug/Kg	18000000	7000000	6200000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ug/Kg	1100000	4400	4400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	ug/Kg	880000	680000	2900000	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	72 J	37	2.5 J
2-Methylphenol	ug/Kg	11000	180000	64000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ug/Kg	2200000	42000	38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ug/Kg	1800000	33000	5900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ug/Kg	41000	8800	8300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ug/Kg	66000	1100	33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ug/Kg	22000	370	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ug/Kg	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ug/Kg	1100000	37000	37000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ug/Kg	93000	470	19000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	ug/Kg	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ug/Kg	880000	3700	31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ug/Kg	1800000	6000	4100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	ug/Kg	13000000	3100000	2700000	ND	ND	ND	ND	ND	ND	ND	ND	1.6 J	ND	11 J	26	ND
Acenaphthylene	ug/Kg	13000000	2800000	2500000	ND	ND	ND	ND	ND	ND	ND	ND	5.7 J	ND	78	33	ND
Anthracene	ug/Kg	66000000	350000	350000	0.75 J	ND	ND	ND	ND	ND	ND	ND	5.6 J	ND	69 J	70	3.7 J
Benzo[a]anthracene	ug/Kg	6000	28000	25000	7.1 J	ND	5.8 J	ND	32 J	7.4	ND	ND	33	ND	430	250	16
Benzo[a]pyrene	ug/Kg	580	46000	2500	8.4	ND	8.5	ND	56 J	10	ND	ND	49	ND	430	240	18
Benzo[b]fluoranthene	ug/Kg	3500	26000	25000	13	ND	12	ND	97	19	ND	ND	63	ND	650	380	25
Benzo[g,h,i]perylene	ug/Kg	13000000	180000	180000	6.5 J	ND	7.9 J	ND	73 J	12	ND	ND	51	ND	370	210	15
Benzo[k]fluoranthene	ug/Kg	4000	210000	250000	4.4 J	ND	5.4 J	ND	26 J	5.4 J	ND	ND	21	ND	220	120	9.4
Bis(2-chloroethoxy)methane	ug/Kg	660000	13000	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	ug/Kg	1300	15	3.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	ug/Kg	1300000	130000	130000	300	240	93	ND	ND	ND	ND	ND	10 J	ND	ND	55 J	25 J
Butyl benzyl phthalate	ug/Kg	9800000	3200000	10000000	36 J	38	23 J	5.5 J	ND	5.6 J	ND	ND	7.3 J	ND	ND	68	32 J
Carbazole	ug/Kg	930000	24000	21000	ND	ND	ND	ND	ND	ND	ND	ND	3.2 J	ND	29 J	34	2.7 J
Chrysene	ug/Kg	35000	230000	230000	8.7	ND	7.5 J	ND	57 J	13	ND	ND	40	ND	430	250	17
Dibenz(a,h)anthracene	ug/Kg	1000	25000	2500	ND	ND	2.0 J	ND	12 J	2.3 J	ND	ND	9.9	ND	99	61	3.9 J
Dibenzofuran	ug/Kg	220000	110000	NA	ND	ND	ND	ND	ND	ND	ND	ND	4.3 J	ND	ND	39	ND
Diethyl phthalate	ug/Kg	10000000	3300000	160000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ug/Kg	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	ug/Kg	10000000	1700000	1500000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.9 J	ND
Di-n-octyl phthalate	ug/Kg	2200000	10000000	4400000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ug/Kg	8800000	3200000	3200000	13	ND	5.9 J	ND	79 J	28	ND	ND	45	ND	680	490	24
Fluorene	ug/Kg	8800000	3400000	3000000	ND	ND	ND	ND	ND	ND	ND	ND	1.6 J	ND	14 J	25	ND
Hexachlorobenzene	ug/Kg	12000	960	960	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ug/Kg	220000	11000	1200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ug/Kg	1300000	91000	91000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	ug/Kg	44000	560	560	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	ug/Kg	3500	1500000	25000	5.8 J	ND	6.7 J	ND	53 J	9.6	ND	ND	35	ND	320	200	15
Isophorone	ug/Kg	10000000	10000	1900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylphenol, 3 & 4	ug/Kg	11100000	198000	4200*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ug/Kg	160000	25000	25000	ND	ND	ND	ND	ND	ND	ND	ND	10	ND	61 J	32	3.0 J
Nitrobenzene	ug/Kg	440000	8300	790	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodi-n-propylamine	ug/Kg	2600	10	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	ug/Kg	3700000	23000	20000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ug/Kg	47000	5000	5000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	ug/Kg	66000000	10000000	10000000	5.9 J	ND	4.3 J	ND	23 J	ND	ND	ND	25	ND	210	290	18
Phenol	ug/Kg	3800000	200000	66000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	ug/Kg	6600000	2200000	2200000	15	ND	7.9 J	ND	78 J	24	ND	ND	47	ND	770	440	22

Notes:
ND = Not Detected above Reporting Limit
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
* 3-methylphenol standard is 36,000 ug/kg, and 4-methylphenol standard is 4,200 ug/kg. Used 4,200 ug/kg as more conservative value.
Blue Highlighted Cell = Recently amended MSC

Table 3
Lexington Technology Park
Pittsburgh, Pennsylvania

Soil Boring Data - Soil Samples
Metal Results

Parameter	Units	Act 2 Medium Specific Concentration Direct Contact Residential 0 - 15'	Act 2 Medium Specific Concentration Soil-to-Groundwater Residential	Table FP-1b Clean Fill Concentration Limits for Metals	CB-1 2-4' (fill)	CB-1 6-8' (native)	CB-2 0-4' (fill)	CB-2 6-8' (native)	CB-4 0-2' (fill)	CB-4 4-8' (fill/native)	CB-5 4-6' (fill)	CB-5 10-11.5' (native)	CB-6 0-2' (fill)	CB-6 10-12' (native)	CB-7 0-4' (fill)	CB-8 0-2' (fill)	CB-8 2-4' (native)
Antimony	mg/Kg	88	27	27	ND	ND	ND	ND	ND	ND	ND	ND	0.73 J	0.61 J	0.60 J	0.79 J	ND
Arsenic	mg/Kg	12	29	12	4.1	2.9	9.7	2.4	**16**	12	10	8.7	11	11	**16**	**14**	**13**
Beryllium	mg/Kg	2	320	320	0.30 J	0.84	1.5	0.28 J	0.63	0.55	0.78	0.57	0.55	1.0	0.83	0.71	0.57
Cadmium	mg/Kg	1.2	38	38	0.22 J	0.26 J	0.51 J	0.14 J	0.70	0.50	0.60	0.42 J	0.95	1.1	1.3	1.1	0.56
Chromium (total)	mg/Kg	190004	190190	190094*	6.0	9.6	15	11	16	11	15	12	13	18	19	17	14
Cobalt	mg/Kg	66	59	8.1	6.1	5.3 J	**9.4**	3.2 J	**22**	**11**	**8.4**	6.9	7.9	**16**	**10**	**13**	**10**
Copper	mg/Kg	8100	NA	8200	6.5	14	13	8.0	20	13	15	9.1	18	13	32	22	16
Lead	mg/Kg	500	450	450	4.4	11	13	8.1	20	8.8	14	7.0	80	15	270	170	16
Nickel	mg/Kg	4400	650	650	5.7	15	10	7.9	19	15	20	9.8	13	15	17	18	15
Selenium	mg/Kg	1100	26	26	0.47	ND	0.72 J	ND	ND	ND	ND	ND	ND	ND	0.68 J	ND	ND
Silver	mg/Kg	1100	84	84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	mg/Kg	2	14	14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	mg/Kg	15	290	1500	13	15	31	8.3	23	17	23	16	19	23	26	26	23
Zinc	mg/Kg	66000	12000	12000	26	52	27	21	47	37	43	24	75	33	150	120	41
Mercury	mg/Kg	35	10	10	0.030 J	0.022 J	0.77	ND	0.060	0.022 J	0.030 J	0.033	0.21	0.046	0.56	0.19	0.025 J

Notes:
ND = Not Detected above Reporting Limit
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
Yellow Highlighted Cell = Exceeds Residential Direct Contact MSC
Bold = Exceeds Clean Fill Limit
* Total chromium standard calculated by summing trivalent and hexavalent chromium standards.
Blue Highlighted Cell = Recently amended MSC

Attachment A
Sanborn Maps

HOPKINS

1852

1493

HOMEWOOD

LEXINGTON

DUNFERMLINE

RIGHLAND

BRADDOCK

MEADE

THE PITTSBURGH SANITARIUM

McPHERSON

JEANNETTE ST

PENNSYLVANIA

ST.

AVE.

WARD

Scale 100 Feet to the Inch

1899

PENN

LEXINGTON

ST.

JEANNETTE ST

ALLEGHENY

THE PITTSBURG SANITARIUM

Harriet S. Harper

W. H. Robbins

J. T. Burns

C. A. Lindenbaum

L. C. Bradley

DUNKERMLINE

RICHLAND

Edw. J. Allen

BREWERY
Highland Brewing Co.

W. A. Hoover

BRADDOCK

CYGNET

JARED

COUNCIL

DERBY

CITY LINE

PITTSBURG

BRUSHTON

AVE

A-V-E

ST.

RAILROAD

Environmental Risk Information & Imaging Services

ERIS

800•989•0403 • FAX: 703•834•0606

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HOPKINS

1904

453

438

439

JEANNETTE

McPHERSON

HOMEWOOD AV

LEXINGTON AV

DUNFERMLINE

452

THOMAS

MEADE

470

LEXINGTON

AVE.

ST.

HUNTERMLINE

ST

HIGHLAND

AVE.

BOULEVARD

AVE.

BRADDOCK

AVE.

ST.

AVE.

BOULEVARD

AVE.

COUNCIL

AVE.

HOPKINS

Peacock

ST.

Carnegie

ST

St. Thomas

AVE.

M.E.P.Ringwalt

B.E.P.Miller

C.E.P.Ringwalt

H. L. Ringwalt

G.E.&E.M.P. Peebles

M.F.Peebles

Edw. J. Allen

et ux.

E. J. Allen

W. H. Walker

E. R. Allen

Independent Brewing Co.

1 Ac.

LIBERTY LUMBER & PLANING MILL SUPPLIES

D. J. KENNEDY

D. J. KENNEDY CO. PLASTER MILL & BUILDER'S SUPPLIES

12 acres

13 acres.

6 71 acres

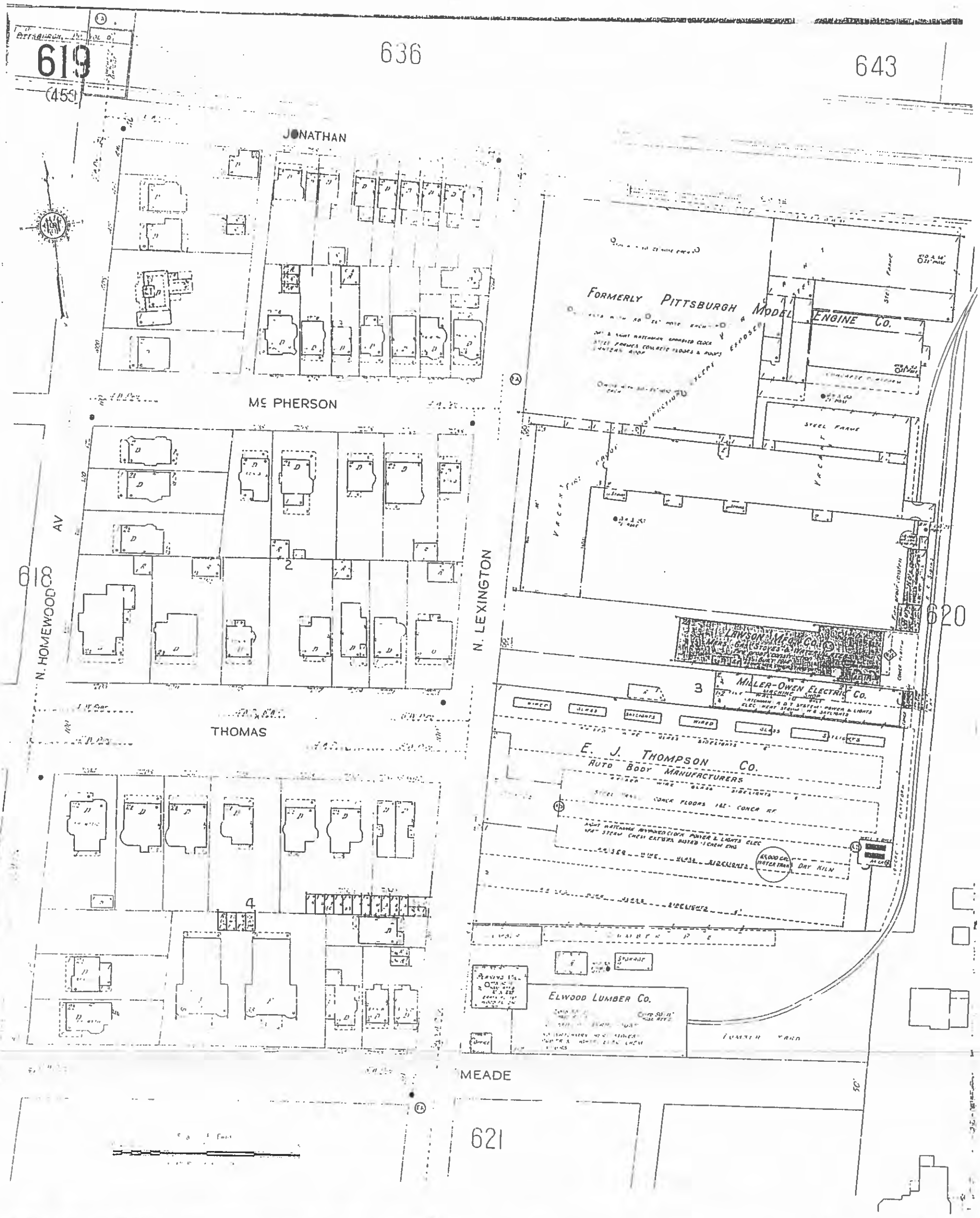
1288.31

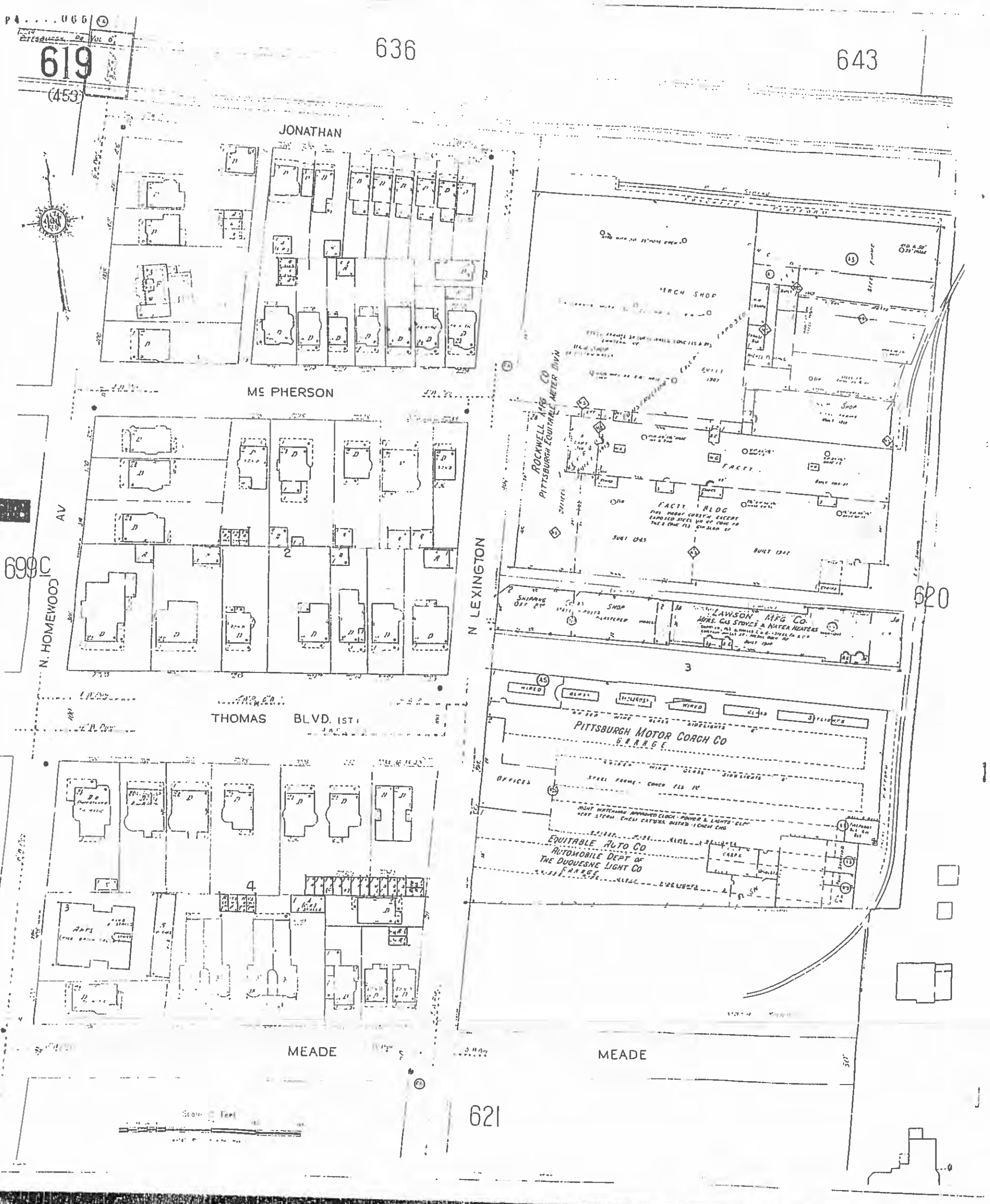
1212.5

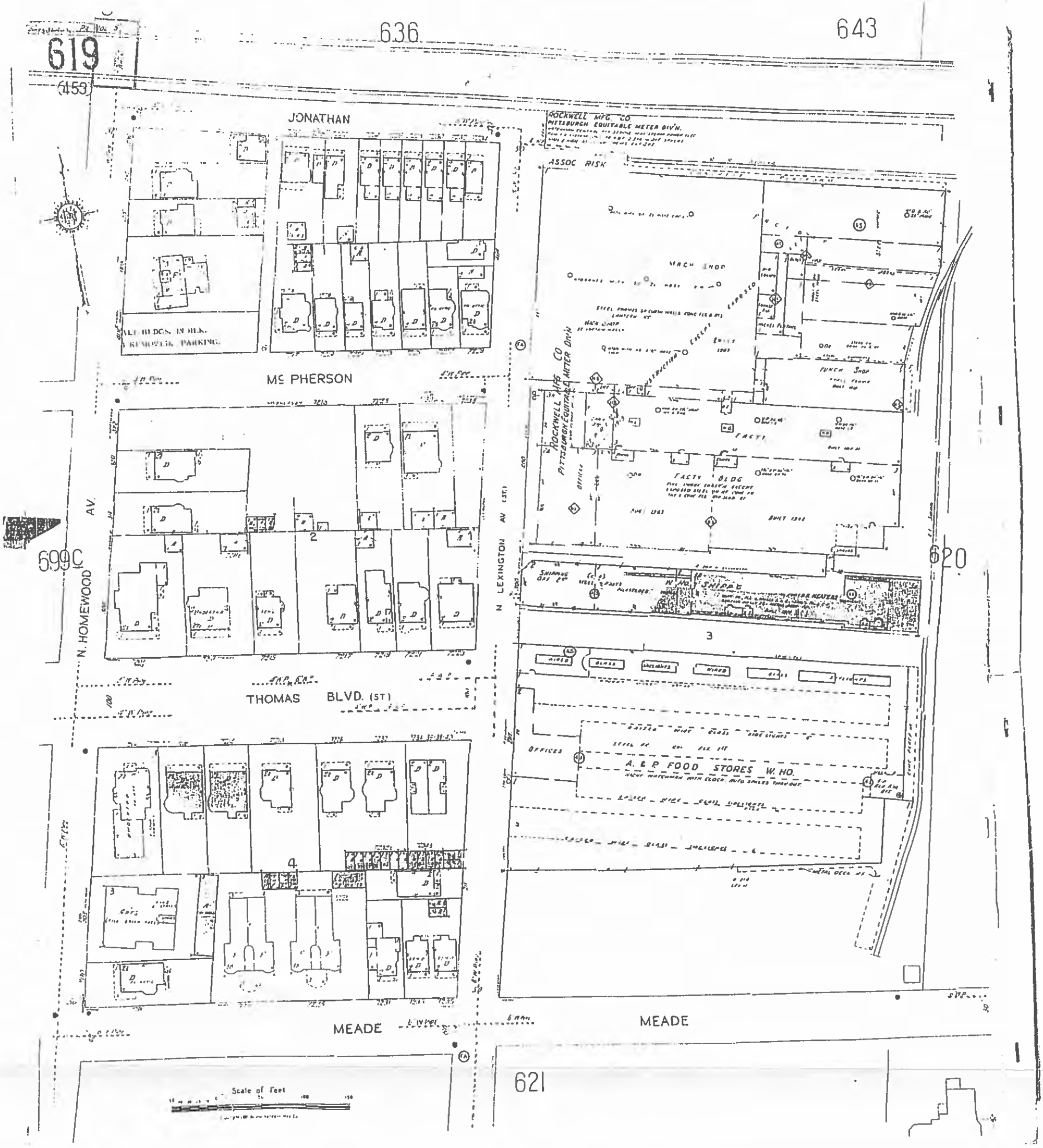
1207.43

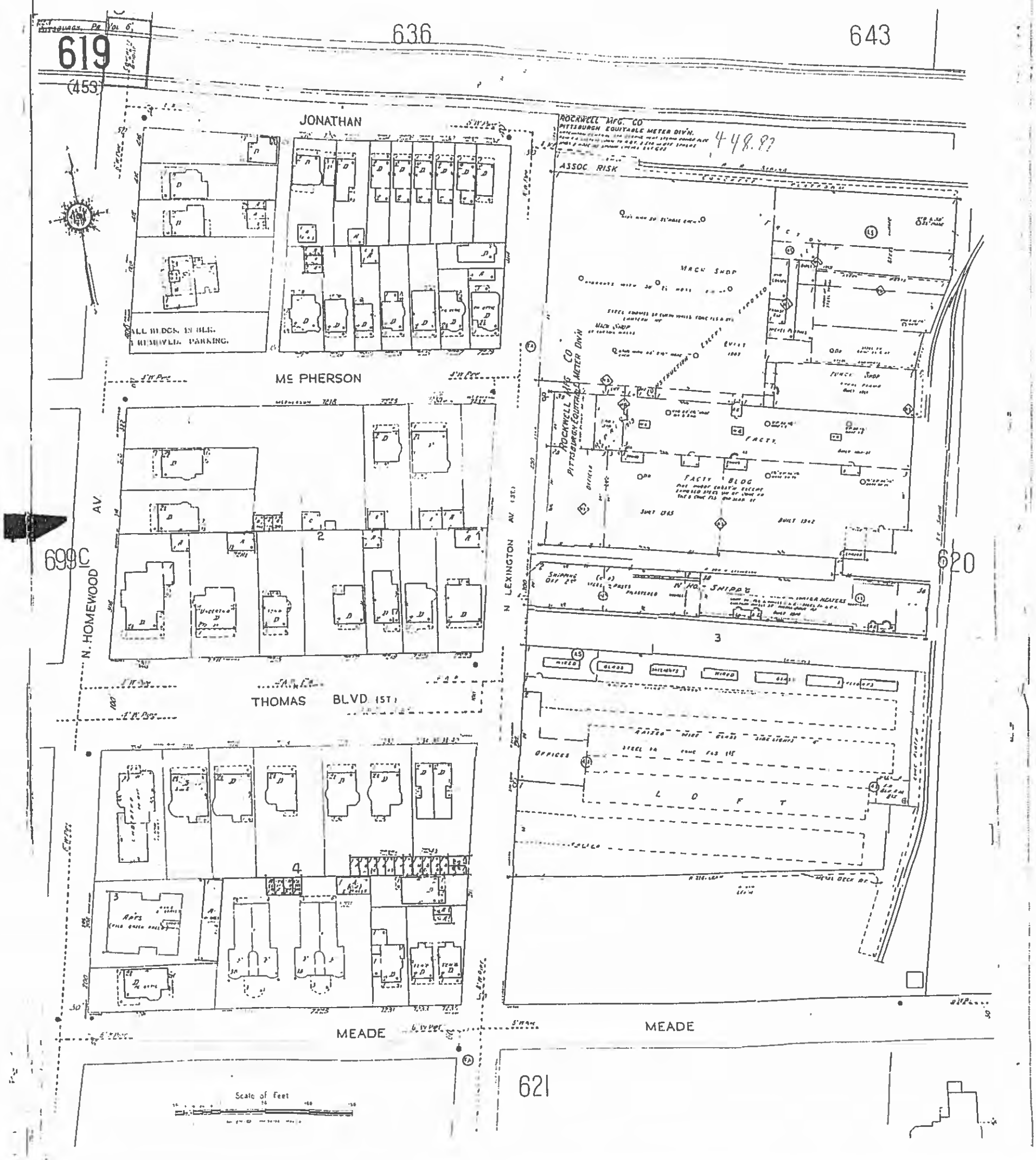
Vol. 3

1911









1945

Attachment B
Aerial Photographs

Lexington Technology Park
400 N. Lexington St.
Pittsburgh, PA 15208

Inquiry Number: 4659828.1
June 28, 2016

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

06/28/16

Site Name:

Lexington Technology Park
400 N. Lexington St.
Pittsburgh, PA 15208
EDR Inquiry # 4659828.1

Client Name:

Chester Engineers
1555 Coraopolis Heights Rd
Moon Township, PA 15108
Contact: Doug Dusbiber

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2008	1"=500'	Flight Year: 2008	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1995	1"=500'	Acquisition Date: March, 14 1995	USGS/DOQQ
1988	1"=500'	Flight Date: July, 02 1988	USGS
1983	1"=500'	Flight Date: March, 13 1983	USGS
1973	1"=500'	Flight Date: March, 27 1973	USDA
1967	1"=500'	Flight Date: May, 26 1967	USDA
1956	1"=500'	Flight Date: September, 21 1956	USDA
1949	1"=500'	Flight Date: October, 23 1949	USDA
1938	1"=500'	Flight Date: September, 25 1938	USDA

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INQUIRY #: 4659828.1
YEAR: 2010
= 500'
N
EDR


INQUIRY #: 4659828.1
YEAR: 2008
= 500'
N
EDR

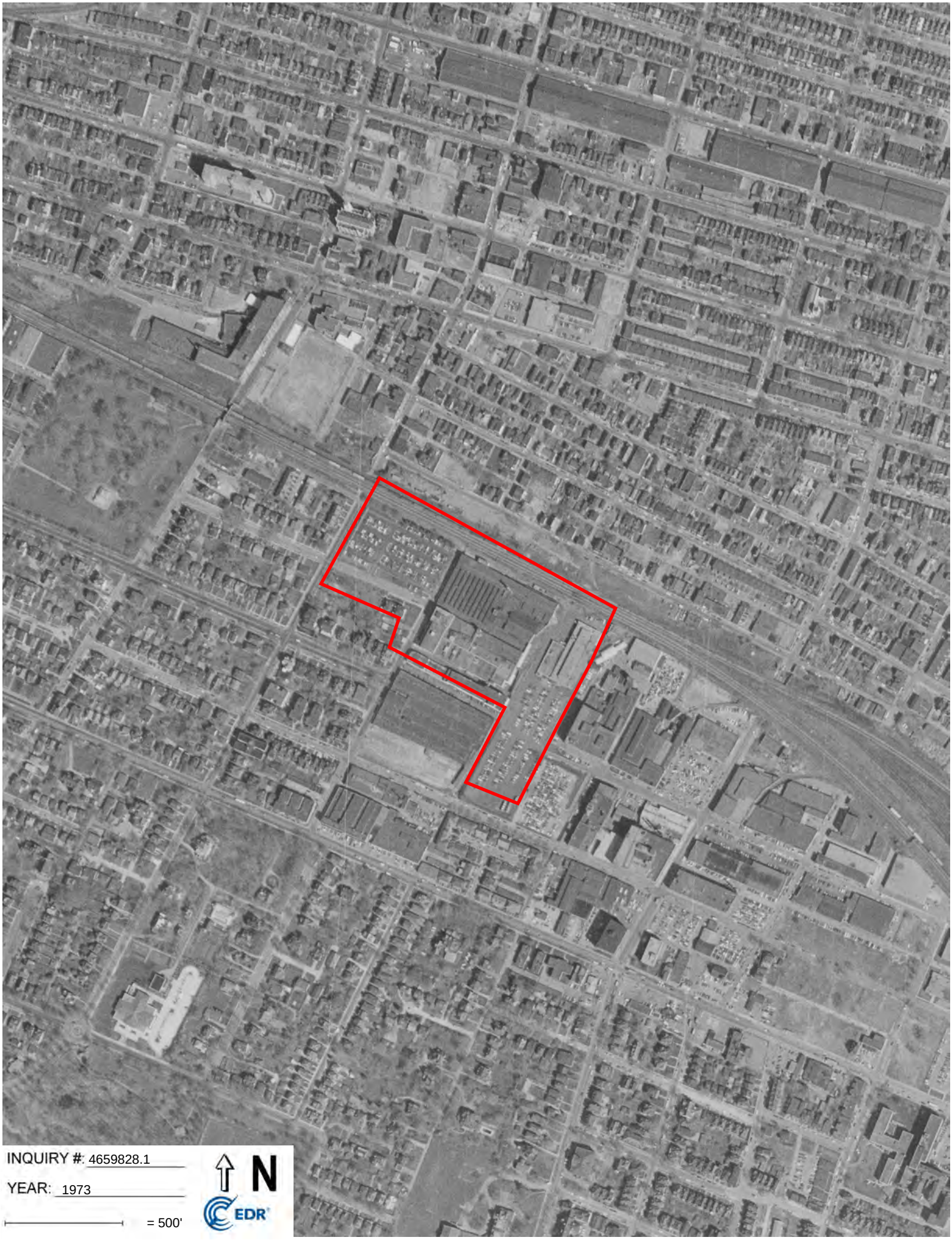

INQUIRY #: 4659828.1
YEAR: 2006
= 500'
N
EDR


INQUIRY #: 4659828.1
YEAR: 2005
= 500'
N
EDR


INQUIRY #: 4659828.1
YEAR: 1995
= 500'
N
EDR


INQUIRY #: 4659828.1
YEAR: 1988
= 500'
N
EDR


INQUIRY #: 4659828.1
YEAR: 1983
= 500'
N
EDR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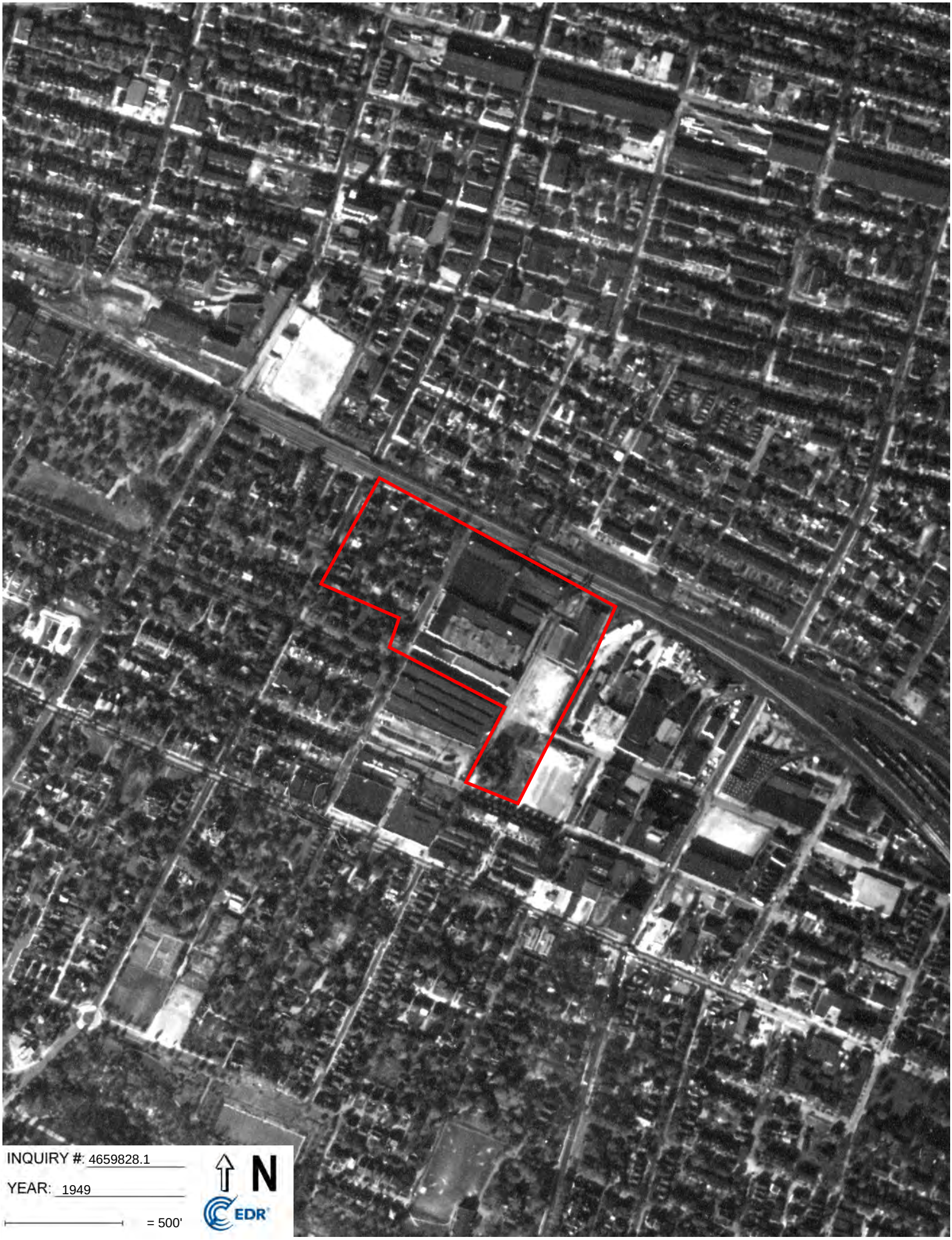
YEAR: 1973
= 500'
N
EDR


INQUIRY #: 4659828.1
YEAR: 1967
= 500'
N
EDR


INQUIRY #: 4659828.1
YEAR: 1956
= 500'
N
EDR


INQUIRY #: 4659828.1
YEAR: 1949
= 500'
N
EDR


INQUIRY #: 4659828.1
YEAR: 1938
= 500'
N
EDR

Attachment C
Soil Boring Logs

Boring Log

Project #:	**Borehole Name:**		**Page** 1 **of** 1
16-6214-ENV-04	CB-1	***Borehole***	
Project Name:	**Equipment:**	**Diameter**	**To Depth** / **Remarks**
Lexington Technology Park	Geo-Probe	2"	12'
Technician:	**Drilling Method:**		
Doug Dusbiber	Direct Push	***Survey Coordinates***	
Start Date/Time:	**Sampling Method:**	**Easting** / **Northing** / **Grade** / **TOC**	
8/8/2016	2" by 4' Macro Sampler	***Water Levels***	
Finish Date/Time:	**Weather:**	**Date** / **DTW** / **Remarks**	
8/8/2016			
Contractor/Driller:	**Description of Location:**		
Geo-Environmental Drilling			
Total Depth:			
12'			

Depth	Well Const.	Sample Interval	Sample Submitted	Blow Counts per 6"	USCS	Description: color, angularity, sorting, grainsize, MATERIAL TYPE "with" subordinate material	Comments
0	Grade						
1	NO WELL INSTALLED	0-2	No	NA		Grass, topsoil, silty clay and sand, brown. FILL.	6 ppm on PID
2							
3		2-4	Yes	NA		Medium-grained brown sand, moist at 3.5'. FILL transitioning to NATIVE SOIL.	Suspect PID reading
4							
6		4-6	No	NA		Sand grading to clay, wet, light-brown FILL transitioning to Na	4.5 ppm on PID
6							
7		6-8	Yes	NA		Silty clay. NATIVE SOIL.	0 ppm on PID
8							
9							
10		8-12	No	NA		Sandy clay, saturated. Clay from 11.5-12'. NATIVE SOIL.	NA
11							
12							

Boring Log

Project #:	Borehole Name:	Page	of
16-6214-ENV-04	CB-2	1	1

Project Name:	Equipment:
Lexington Technology Park	Geo-Probe
Technician:	**Drilling Method:**
Doug Dusbiber	Direct Push
Start Date/Time:	**Sampling Method:**
8/8/2016	2" by 4' Macro Sampler
Finish Date/Time:	**Weather:**
8/8/2016	
Contractor/Driller:	**Description of Location:**
Geo-Environmental Drilling	
Total Depth:	
14'	

Borehole

Diameter	To Depth	Remarks
2"	14'	

Survey Coordinates

Easting	Northing	Grade	TOC

Water Levels

Date	DTW	Remarks

Depth	Well Const.	Sample Interval	Sample Submitted	Blow Counts per 6"	USCS	Description: color, angularity, sorting, grainsize, MATERIAL TYPE "with" subordinate material	Comments
0	Grade						
1 2 3 4	NO WELL INSTALLED	0-4	Yes	NA		Ashphalt (2'), gravel and slag grading to silty, brown clay. FILL.	Suspect PID reading (moisture affected?)
6		4-6	No	NA		Silty clay, moits at 6'. FILL.	Suspect PID reading (moisture affected?)
6 7 8		6-8	Yes	NA		Light-brown clay. NATIVE SOIL.	Suspect PID reading (moisture affected?)
9 10		8-10	No	NA		Silty clay, brown, transitions to fine-medium grained sand, reddish. NATIVE SOIL.	Suspect PID reading (moisture affected?)
11 12		10-12	No	NA		Fine-grained sand with some silt, reddish brown, moist. NATIVE SOIL.	Suspect PID reading (moisture affected?)
13 14		12-14	No	NA		Silty sand grading to clay grading to wet medium-grained sand. Claystone refusal at 14'. NATIVE SOIL.	NA

Boring Log

Project #:	**Borehole Name:**		**Page** 1 **of** 1
16-6214-ENV-04	CB-4		
Project Name:	**Equipment:**		
Lexington Technology Park	Geo-Probe		
Technician:	**Drilling Method:**		
Doug Dusbiber	Direct Push		
Start Date/Time:	**Sampling Method:**		
8/8/2016	2" by 4' Macro Sampler		
Finish Date/Time:	**Weather:**		
8/8/2016			
Contractor/Driller:	**Description of Location:**		
Geo-Environmental Drilling			
Total Depth:			
10.5'			

Borehole

Diameter	To Depth	Remarks
2"	10.5'	

Survey Coordinates

Easting	Northing	Grade	TOC

Water Levels

Date	DTW	Remarks

Depth	Well Const.	Sample Interval	Sample Submitted	Blow Counts per 6"	USCS	Description: color, angularity, sorting, grainsize, MATERIAL TYPE "with" subordinate material	Comments
0	Grade						
1	NO WELL INSTALLED	0-2	Yes	NA		Asphalt (2") followed by ~3" slag followed by silty clay. FILL.	15 ppm on PID
2							
3		2-4	No	NA		Brown silty clay. FILL.	3 ppm on PID
4							
6							
6		4-8	Yes	NA		Silty clay grading to brown clay. Transition from FILL to NATIVE SOIL at ~6.5'.	1 ppm on PID
7							
8							
9		8-10.5	No	NA		Sandy silt, saturated. Grades to gravelly silt. Thin dirty coal seam and gray clay. NATIVE SOIL.	0 ppm on PID
10							

Boring Log

Project #:	**Borehole Name:**		**Page** 1 **of** 1
16-6214-ENV-04	CB-5		
Project Name:	**Equipment:**		
Lexington Technology Park	Geo-Probe		
Technician:	**Drilling Method:**		
Doug Dusbiber	Direct Push		
Start Date/Time:	**Sampling Method:**		
8/8/2016	2" by 4' Macro Sampler		
Finish Date/Time:	**Weather:**		
8/8/2016			
Contractor/Driller:	**Description of Location:**		
Geo-Environmental Drilling			
Total Depth:			
11.5'			

Borehole

Diameter	To Depth	Remarks
2"	11.5'	

Survey Coordinates

Easting	Northing	Grade	TOC

Water Levels

Date	DTW	Remarks

Depth	Well Const.	Sample Interval	Sample Submitted	Blow Counts per 6"	USCS	Description: color, angularity, sorting, grainsize, MATERIAL TYPE "with" subordinate material	Comments
0	Grade						
1 2 3 4	NO WELL INSTALLED	0-4	No	NA		Grass, topsoil, clay with red brick drown to ~2'. Silty clay, brown, remainder of the interval. ~60% recovery. FILL.	0.8 ppm on PID
6 6		4-6	Yes	NA		Silty clay with some brick. FILL.	3.4 ppm on PID
7 8		6-8	No	NA		Silty clay, hard, dry.Brown silty clay with red brick pieces. FILL.	3.4 ppm on PID
9 10		8-10	No	NA		Sandy clay. FILL.	2.9 ppm on PID
11		10-11.5	Yes	NA		Clay, soft weathered siltstone at 11.5'. Refusal. NATIVE SOIL.	3 ppm on PID
12							

Boring Log

Project #:	**Borehole Name:**		**Page** 1 **of** 1
16-6214-ENV-04	CB-6		
Project Name:	**Equipment:**		
Lexington Technology Park	Geo-Probe		
Technician:	**Drilling Method:**		
Doug Dusbiber	Direct Push		
Start Date/Time:	**Sampling Method:**		
8/8/2016	2" by 4' Macro Sampler		
Finish Date/Time:	**Weather:**		
8/8/2016			
Contractor/Driller:	**Description of Location:**		
Geo-Environmental Drilling			
Total Depth:			
12'			

Borehole

Diameter	To Depth	Remarks
2"	12'	

Survey Coordinates

Easting	Northing	Grade	TOC

Water Levels

Date	DTW	Remarks

Depth	Well Const.	Sample Interval	Sample Submitted	Blow Counts per 6"	USCS	Description: color, angularity, sorting, grainsize, MATERIAL TYPE "with" subordinate material	Comments
0	Grade						
1	NO WELL INSTALLED	0-2	Yes	NA		Grass, topsoil, sand, sandstone pieces, gravel. FILL.	1.4 ppm on PID
2							
3		2-4	No	NA		Silty clay, dry. FILL.	5 ppm on PID
4							
6		4-6	No	NA		Silty clay. FILL.	2.5 ppm on PID
6							
7		6-8	No	NA		Silty clay. FILL.	3.4 ppm on PID
8							
9		8-10	No	NA		Silty clay. FILL.	2.2 ppm on PID
10							
11		10-12	Yes	NA		Silty clay. NATIVE SOIL.	1.4 ppm on PID
12							

Boring Log

Project #:	**Borehole Name:**		**Page** 1 **of** 1
16-6214-ENV-04	CB-7	***Borehole***	
Project Name:	**Equipment:**	**Diameter**	**To Depth** / **Remarks**
Lexington Technology Park	Geo-Probe	2"	6'
Technician:	**Drilling Method:**		
Doug Dusbiber	Direct Push	***Survey Coordinates***	
		Easting / **Northing** / **Grade** / **TOC**	
Start Date/Time:	**Sampling Method:**		
8/8/2016	2" by 4' Macro Sampler	***Water Levels***	
Finish Date/Time:	**Weather:**	**Date** / **DTW** / **Remarks**	
8/8/2016			
Contractor/Driller:	**Description of Location:**		
Geo-Environmental Drilling			
Total Depth:			
6'			

Depth	Well Const.	Sample Interval	Sample Submitted	Blow Counts per 6"	USCS	Description: color, angularity, sorting, grainsize, MATERIAL TYPE "with" subordinate material	Comments
0	Grade						
1 2 3 4	NO WELL INSTALLED	0-4	Yes	NA		Grass, topsoil, clay, red brick at bottom of interval. ~60% Recovery. FILL.	3.5 ppm on PID
5 6		4-6	No	NA		Silty clay with concrete pieces. Refusal at 6'. FILL.	NA

Boring Log

Project #:	Borehole Name:		Page	of
16-6214-ENV-04	CB-8		1	1

Project Name:	Equipment:	*Borehole* Diameter	To Depth	Remarks
Lexington Technology Park	Geo-Probe	2"	4'	
Technician:	**Drilling Method:**			
Doug Dusbiber	Direct Push			

Survey Coordinates Easting	Northing	Grade	TOC

Start Date/Time:	Sampling Method:
8/8/2016	2" by 4' Macro Sampler

Water Levels Date	DTW	Remarks

Finish Date/Time:	Weather:
8/8/2016	

Contractor/Driller:	Description of Location:
Geo-Environmental Drilling	
Total Depth:	
4'	

Depth	Well Const.	Sample Interval	Sample Submitted	Blow Counts per 6"	USCS	Description: color, angularity, sorting, grainsize, MATERIAL TYPE "with" subordinate material	Comments
0	Grade						
1	NO WELL INSTALLED	0-2	Yes	NA		Grass, topsoil, sandy silt, clay from 1 to 2'. FILL.	0.5 ppm on PID
2							
3		2-4	Yes	NA		Silty clay. NATIVE SOIL.	0.1 ppm on PID
4							

Attachment D
Laboratory Analytical Reports

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

TestAmerica Job ID: 180-57326-1
Client Project/Site: Lexington Tech Park
Revision: 1

For:
Chester Engineers, Inc.
1315 West College Ave., Suite 100
State College, Pennsylvania 16801

Attn: Robert Warren

Authorized for release by:
9/7/2016 10:51:19 AM

Veronica Bortot, Senior Project Manager
(412)963-2435
veronica.bortot@testamericainc.com

Table of Contents

Job ID: 180-57326-1

Laboratory: TestAmerica Pittsburgh

Narrative

Job Narrative
180-57326-1

Revised: to add cobalt and vanadium to metals list

Receipt
The samples were received on 8/9/2016 8:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.2º C and 3.5º C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) analyzed in batch 184751 was outside the method criteria for the following analyte(s): Chloroethane, Acetone & 2-Hexanone. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 180-184793 recovered above the upper control limit for 2-Hexanone, Acetone, Bromomethane, and Chloroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: (CCVIS 180-184793/2).

Method(s) 8260C: The laboratory control sample duplicate (LCSD) for analytical batch 180-184812 recovered outside control limits for the following analytes: Chloroethane. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260C: The continuing calibration verification (CCV) analyzed in batch 180-184812 was outside the method criteria for the following analyte(s): 2-Butanone, Acetone, Bromomethane, Chloroethane, Dichlorodifluoromethane, and Trichlorofluoromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method(s) 8270D LL: The following samples was diluted due to the nature of the sample matrix (sample extracts were too viscous to be analyzed at any less of a dilution): CB-4 0-2' (180-57326-5) and CB-7 0-4' (180-57326-11). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method(s) 6010C: The matrix spike duplicate (MSD) recovery for 184379 was outside the control limits for zinc. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. A post digestion spike (PDS) was analyzed as per 6010C and it passed for this analyte.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Chester Engineers, Inc.
Project/Site: Lexington Tech Park

TestAmerica Job ID: 180-57326-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Chester Engineers, Inc.
Project/Site: Lexington Tech Park

TestAmerica Job ID: 180-57326-1

Laboratory: TestAmerica Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Pennsylvania	NELAP	3	02-00416	04-30-17

Analysis Method	Prep Method	Matrix	Analyte

Sample Summary

Client: Chester Engineers, Inc.
Project/Site: Lexington Tech Park

TestAmerica Job ID: 180-57326-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-57326-1	CB-1 2-4'	Solid	08/08/16 09:25	08/09/16 08:45
180-57326-2	CB-1 6-8'	Solid	08/08/16 09:35	08/09/16 08:45
180-57326-3	CB-2 0-4'	Solid	08/08/16 10:20	08/09/16 08:45
180-57326-4	CB-2 6-8'	Solid	08/08/16 10:30	08/09/16 08:45
180-57326-5	CB-4 0-2'	Solid	08/08/16 12:20	08/09/16 08:45
180-57326-6	CB-4 4-8'	Solid	08/08/16 12:25	08/09/16 08:45
180-57326-7	CB-5 4-6'	Solid	08/08/16 13:20	08/09/16 08:45
180-57326-8	CB-5 10-11.5	Solid	08/08/16 13:30	08/09/16 08:45
180-57326-9	CB-6 0-2'	Solid	08/08/16 15:10	08/09/16 08:45
180-57326-10	CB-6 10-12'	Solid	08/08/16 15:30	08/09/16 08:45
180-57326-11	CB-7 0-4'	Solid	08/08/16 14:25	08/09/16 08:45
180-57326-12	CB-8 0-2'	Solid	08/08/16 16:15	08/09/16 08:45
180-57326-13	CB-8 2-4'	Solid	08/08/16 16:25	08/09/16 08:45

Method Summary

Client: Chester Engineers, Inc.
Project/Site: Lexington Tech Park

TestAmerica Job ID: 180-57326-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PIT
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
6010C	Metals (ICP)	SW846	TAL PIT
7471B	Mercury (CVAA)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT

Protocol References:

SM22 = SM22

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Client Sample ID: CB-1 2-4'

Lab Sample ID: 180-57326-1
Date Collected: 08/08/16 09:25
Matrix: Solid
Date Received: 08/09/16 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			184435	08/10/16 12:40	CLL	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: CB-1 2-4'

Lab Sample ID: 180-57326-1
Date Collected: 08/08/16 09:25
Matrix: Solid
Date Received: 08/09/16 08:45
Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9996 g	5 mL	184758	08/13/16 08:43	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	5 mL	5 mL	184751	08/13/16 16:18	PJJ	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	0.5 mL	184503	08/11/16 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D LL		1	1 mL	1 mL	184528	08/11/16 11:29	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3050B			1.03 g	100 mL	184379	08/10/16 07:17	ANA	TAL PIT
Total/NA	Analysis	6010C		1			184810	08/12/16 11:05	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	184260	08/10/16 08:10	EVR	TAL PIT
Total/NA	Analysis	7471B		1			184436	08/10/16 11:02	EVR	TAL PIT
	Instrument ID: K									

Client Sample ID: CB-1 6-8'

Lab Sample ID: 180-57326-2
Date Collected: 08/08/16 09:35
Matrix: Solid
Date Received: 08/09/16 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			184435	08/10/16 14:59	CLL	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: CB-1 6-8'

Lab Sample ID: 180-57326-2
Date Collected: 08/08/16 09:35
Matrix: Solid
Date Received: 08/09/16 08:45
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.8798 g	5 mL	184758	08/13/16 08:43	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	5 mL	5 mL	184751	08/13/16 16:41	PJJ	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	0.5 mL	184503	08/11/16 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D LL		1	1 mL	1 mL	184528	08/11/16 11:58	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3050B			1.03 g	100 mL	184379	08/10/16 07:17	ANA	TAL PIT
Total/NA	Analysis	6010C		1			184810	08/12/16 11:41	RJR	TAL PIT
	Instrument ID: Q									

Lab Chronicle

Client: Chester Engineers, Inc.
Project/Site: Lexington Tech Park

TestAmerica Job ID: 180-57326-1

Client Sample ID: CB-1 6-8'

Lab Sample ID: 180-57326-2
Date Collected: 08/08/16 09:35
Matrix: Solid
Date Received: 08/09/16 08:45
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.62 g	100 mL	184260	08/10/16 08:10	EVR	TAL PIT
Total/NA	Analysis	7471B		1			184436	08/10/16 11:04	EVR	TAL PIT
	Instrument ID: K									

Client Sample ID: CB-2 0-4'

Lab Sample ID: 180-57326-3
Date Collected: 08/08/16 10:20
Matrix: Solid
Date Received: 08/09/16 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			184435	08/10/16 16:09	CLL	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: CB-2 0-4'

Lab Sample ID: 180-57326-3
Date Collected: 08/08/16 10:20
Matrix: Solid
Date Received: 08/09/16 08:45
Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0234 g	5 mL	184758	08/13/16 08:43	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	5 mL	5 mL	184751	08/13/16 17:03	PJJ	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	0.5 mL	184503	08/11/16 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D LL		1	1 mL	1 mL	184528	08/11/16 13:25	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3050B			1.05 g	100 mL	184379	08/10/16 07:17	ANA	TAL PIT
Total/NA	Analysis	6010C		1			184810	08/12/16 11:46	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.67 g	100 mL	184260	08/10/16 08:10	EVR	TAL PIT
Total/NA	Analysis	7471B		1			184436	08/10/16 11:05	EVR	TAL PIT
	Instrument ID: K									

Client Sample ID: CB-2 6-8'

Lab Sample ID: 180-57326-4
Date Collected: 08/08/16 10:30
Matrix: Solid
Date Received: 08/09/16 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			184435	08/10/16 17:18	CLL	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: CB-2 6-8'

Lab Sample ID: 180-57326-4
Date Collected: 08/08/16 10:30
Matrix: Solid
Date Received: 08/09/16 08:45
Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.7202 g	5 mL	184795	08/14/16 14:30	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	5 mL	5 mL	184793	08/14/16 16:51	PJJ	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	0.5 mL	184503	08/11/16 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D LL		1	1 mL	1 mL	184528	08/11/16 13:54	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3050B			1.09 g	100 mL	184379	08/10/16 07:17	ANA	TAL PIT
Total/NA	Analysis	6010C		1			184810	08/12/16 11:51	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	184260	08/10/16 08:10	EVR	TAL PIT
Total/NA	Analysis	7471B		1			184436	08/10/16 11:07	EVR	TAL PIT
	Instrument ID: K									

Client Sample ID: CB-4 0-2'

Lab Sample ID: 180-57326-5
Date Collected: 08/08/16 12:20
Matrix: Solid
Date Received: 08/09/16 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			184435	08/10/16 18:28	CLL	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: CB-4 0-2'

Lab Sample ID: 180-57326-5
Date Collected: 08/08/16 12:20
Matrix: Solid
Date Received: 08/09/16 08:45
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9785 g	5 mL	184758	08/13/16 08:43	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	5 mL	5 mL	184751	08/13/16 17:48	PJJ	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	0.5 mL	184503	08/11/16 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D LL		10	1 mL	1 mL	184528	08/11/16 14:23	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3050B			1.00 g	100 mL	184379	08/10/16 07:17	ANA	TAL PIT
Total/NA	Analysis	6010C		1			184810	08/12/16 11:57	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	184260	08/10/16 08:10	EVR	TAL PIT
Total/NA	Analysis	7471B		1			184436	08/10/16 11:10	EVR	TAL PIT
	Instrument ID: K									

Lab Chronicle

Client: Chester Engineers, Inc.
Project/Site: Lexington Tech Park

TestAmerica Job ID: 180-57326-1

Client Sample ID: CB-4 4-8'
Date Collected: 08/08/16 12:25
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			184435	08/10/16 19:37	CLL	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: CB-4 4-8'
Date Collected: 08/08/16 12:25
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-6
Matrix: Solid
Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.0592 g	5 mL	184818	08/15/16 05:30	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5 mL	5 mL	184812	08/15/16 09:11	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	0.5 mL	184503	08/11/16 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D LL		1	1 mL	1 mL	184528	08/11/16 14:52	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3050B			1.12 g	100 mL	184379	08/10/16 07:17	ANA	TAL PIT
Total/NA	Analysis	6010C		1			184810	08/12/16 12:02	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.70 g	100 mL	184260	08/10/16 08:10	EVR	TAL PIT
Total/NA	Analysis	7471B		1			184436	08/10/16 11:16	EVR	TAL PIT
	Instrument ID: K									

Client Sample ID: CB-5 4-6'
Date Collected: 08/08/16 13:20
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			184435	08/10/16 20:47	CLL	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: CB-5 4-6'
Date Collected: 08/08/16 13:20
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-7
Matrix: Solid
Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9989 g	5 mL	184795	08/14/16 14:30	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	5 mL	5 mL	184793	08/14/16 23:26	PJJ	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	0.5 mL	184503	08/11/16 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D LL		1	1 mL	1 mL	184528	08/11/16 15:21	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3050B			1.17 g	100 mL	184379	08/10/16 07:17	ANA	TAL PIT
Total/NA	Analysis	6010C		1			184810	08/12/16 12:07	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.68 g	100 mL	184260	08/10/16 08:10	EVR	TAL PIT

Client Sample ID: CB-5 4-6'

Lab Sample ID: 180-57326-7
Date Collected: 08/08/16 13:20
Matrix: Solid
Date Received: 08/09/16 08:45
Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7471B		1			184436	08/10/16 11:18	EVR	TAL PIT
	Instrument ID: K									

Client Sample ID: CB-5 10-11.5

Lab Sample ID: 180-57326-8
Date Collected: 08/08/16 13:30
Matrix: Solid
Date Received: 08/09/16 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			184435	08/10/16 21:56	CLL	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: CB-5 10-11.5

Lab Sample ID: 180-57326-8
Date Collected: 08/08/16 13:30
Matrix: Solid
Date Received: 08/09/16 08:45
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1359 g	5 mL	184795	08/14/16 14:30	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	5 mL	5 mL	184793	08/14/16 23:49	PJJ	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	0.5 mL	184503	08/11/16 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D LL		1	1 mL	1 mL	184528	08/11/16 15:50	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3050B			1.04 g	100 mL	184379	08/10/16 07:17	ANA	TAL PIT
Total/NA	Analysis	6010C		1			184810	08/12/16 12:12	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.74 g	100 mL	184260	08/10/16 08:10	EVR	TAL PIT
Total/NA	Analysis	7471B		1			184436	08/10/16 11:20	EVR	TAL PIT
	Instrument ID: K									

Client Sample ID: CB-6 0-2'

Lab Sample ID: 180-57326-9
Date Collected: 08/08/16 15:10
Matrix: Solid
Date Received: 08/09/16 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			184435	08/10/16 23:06	CLL	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: CB-6 0-2'

Lab Sample ID: 180-57326-9
Date Collected: 08/08/16 15:10
Matrix: Solid
Date Received: 08/09/16 08:45
Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4468 g	5 mL	184795	08/14/16 14:30	PJJ	TAL PIT

Client Sample ID: CB-6 0-2'

Lab Sample ID: 180-57326-9
Date Collected: 08/08/16 15:10
Matrix: Solid
Date Received: 08/09/16 08:45
Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	184793	08/15/16 00:11	PJJ	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	0.5 mL	184503	08/11/16 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D LL		1	1 mL	1 mL	184528	08/11/16 16:20	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3050B			1.11 g	100 mL	184379	08/10/16 07:17	ANA	TAL PIT
Total/NA	Analysis	6010C		1			184810	08/12/16 12:17	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	184260	08/10/16 08:10	EVR	TAL PIT
Total/NA	Analysis	7471B		1			184436	08/10/16 11:22	EVR	TAL PIT
	Instrument ID: K									

Client Sample ID: CB-6 10-12'

Lab Sample ID: 180-57326-10
Date Collected: 08/08/16 15:30
Matrix: Solid
Date Received: 08/09/16 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			184435	08/11/16 00:15	CLL	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: CB-6 10-12'

Lab Sample ID: 180-57326-10
Date Collected: 08/08/16 15:30
Matrix: Solid
Date Received: 08/09/16 08:45
Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4685 g	5 mL	184795	08/14/16 14:30	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	5 mL	5 mL	184793	08/15/16 00:34	PJJ	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	0.5 mL	184503	08/11/16 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D LL		1	1 mL	1 mL	184528	08/11/16 16:49	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3050B			1.01 g	100 mL	184379	08/10/16 07:17	ANA	TAL PIT
Total/NA	Analysis	6010C		1			184810	08/12/16 12:33	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	184260	08/10/16 08:10	EVR	TAL PIT
Total/NA	Analysis	7471B		1			184436	08/10/16 11:23	EVR	TAL PIT
	Instrument ID: K									

Client Sample ID: CB-7 0-4'

Lab Sample ID: 180-57326-11
Date Collected: 08/08/16 14:25
Matrix: Solid
Date Received: 08/09/16 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			184435	08/11/16 01:25	CLL	TAL PIT

Client Sample ID: CB-7 0-4'
Date Collected: 08/08/16 14:25
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			184435	08/11/16 01:25	CLL	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: CB-7 0-4'
Date Collected: 08/08/16 14:25
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-11
Matrix: Solid
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3795 g	5 mL	184795	08/14/16 14:30	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	5 mL	5 mL	184793	08/15/16 00:57	PJJ	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	0.5 mL	184503	08/11/16 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D LL		10	1 mL	1 mL	184528	08/11/16 17:18	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3050B			1.03 g	100 mL	184379	08/10/16 07:17	ANA	TAL PIT
Total/NA	Analysis	6010C		1			184810	08/12/16 12:38	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	184260	08/10/16 08:10	EVR	TAL PIT
Total/NA	Analysis	7471B		1			184436	08/10/16 11:25	EVR	TAL PIT
	Instrument ID: K									

Client Sample ID: CB-8 0-2'
Date Collected: 08/08/16 16:15
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			184435	08/11/16 02:34	CLL	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: CB-8 0-2'
Date Collected: 08/08/16 16:15
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-12
Matrix: Solid
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0069 g	5 mL	184795	08/14/16 14:30	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	5 mL	5 mL	184793	08/15/16 01:19	PJJ	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	0.5 mL	184503	08/11/16 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D LL		1	1 mL	1 mL	184528	08/11/16 17:47	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3050B			1.08 g	100 mL	184379	08/10/16 07:17	ANA	TAL PIT
Total/NA	Analysis	6010C		1			184810	08/12/16 12:43	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	184260	08/10/16 08:10	EVR	TAL PIT

Lab Chronicle

Client: Chester Engineers, Inc.
Project/Site: Lexington Tech Park

TestAmerica Job ID: 180-57326-1

Client Sample ID: CB-8 0-2'

Lab Sample ID: 180-57326-12
Date Collected: 08/08/16 16:15
Matrix: Solid
Date Received: 08/09/16 08:45
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7471B		1			184436	08/10/16 11:27	EVR	TAL PIT
	Instrument ID: K									

Client Sample ID: CB-8 2-4'

Lab Sample ID: 180-57326-13
Date Collected: 08/08/16 16:25
Matrix: Solid
Date Received: 08/09/16 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			184435	08/11/16 03:44	CLL	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: CB-8 2-4'

Lab Sample ID: 180-57326-13
Date Collected: 08/08/16 16:25
Matrix: Solid
Date Received: 08/09/16 08:45
Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4329 g	5 mL	184795	08/14/16 14:30	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	5 mL	5 mL	184793	08/15/16 01:43	PJJ	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	0.5 mL	184503	08/11/16 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D LL		1	1 mL	1 mL	184528	08/11/16 18:16	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3050B			1.08 g	100 mL	184379	08/10/16 07:17	ANA	TAL PIT
Total/NA	Analysis	6010C		1			184810	08/12/16 12:48	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	184260	08/10/16 08:10	EVR	TAL PIT
Total/NA	Analysis	7471B		1			184436	08/10/16 11:29	EVR	TAL PIT
	Instrument ID: K									

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Client: Chester Engineers, Inc.
Project/Site: Lexington Tech Park

TestAmerica Job ID: 180-57326-1

Analyst References:

Lab: TAL PIT

Batch Type: Prep

ANA = Alexis Anderson

EVR = Emilie Reichenbach

KLG = Kevin Geehring

PJJ = Patrick Journet

Batch Type: Analysis

CLL = Cheryl Loheyde

EVR = Emilie Reichenbach

KLG = Kathy Gordon

PJJ = Patrick Journet

RJR = Ron Rosenbaum

VVP = Vincent Piccolino

Client Sample ID: CB-1 2-4'
Date Collected: 08/08/16 09:25
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-1
Matrix: Solid
Percent Solids: 89.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.6	1.2	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
1,1,2,2-Tetrachloroethane	ND		5.6	4.4	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	1.5	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
1,1,2-Trichloroethane	ND		5.6	3.1	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
1,1-Dichloroethane	ND		5.6	1.3	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
1,1-Dichloroethene	ND		5.6	1.6	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
1,2-Dibromo-3-Chloropropane	ND		5.6	5.1	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
1,2-Dichlorobenzene	ND		5.6	3.6	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
1,2-Dichloroethane	ND		5.6	1.3	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
1,2-Dichloropropane	ND		5.6	2.1	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
1,2,4-Trichlorobenzene	ND		5.6	4.6	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
1,3-Dichlorobenzene	ND		5.6	3.3	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
1,4-Dichlorobenzene	ND		5.6	3.3	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
2-Butanone (MEK)	ND		5.6	3.3	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
2-Hexanone	ND		5.6	4.5	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.6	4.0	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
Acetone	ND		22	11	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
Benzene	ND		5.6	3.4	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
Bromoform	ND		5.6	5.1	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
Bromomethane	ND		5.6	1.9	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
Carbon disulfide	ND		5.6	2.4	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
Carbon tetrachloride	ND		5.6	1.5	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
Chlorobenzene	ND		5.6	2.5	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
Chlorodibromomethane	ND		5.6	2.8	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
Chloroform	ND		5.6	1.4	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
Chloromethane	ND		5.6	3.0	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
Chloroethane	ND		5.6	2.4	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
cis-1,2-Dichloroethene	ND		5.6	1.5	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
cis-1,3-Dichloropropene	ND		5.6	2.4	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
Dichlorobromomethane	ND		5.6	2.2	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
Dichlorodifluoromethane	ND		5.6	3.3	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
Ethylbenzene	ND		5.6	2.2	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
1,2-Dibromoethane	ND		5.6	2.4	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
Cyclohexane	ND		5.6	1.6	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
Isopropylbenzene	ND		5.6	3.8	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
Methyl acetate	ND		28	15	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
Methyl tert-butyl ether	ND		5.6	2.8	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
Methylcyclohexane	ND		5.6	2.0	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
Methylene Chloride	**1.5**	**J B**	5.6	0.62	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
Styrene	ND		5.6	2.6	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
Tetrachloroethene	ND		5.6	1.4	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
Toluene	ND		5.6	4.1	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
trans-1,2-Dichloroethene	ND		5.6	1.1	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
trans-1,3-Dichloropropene	ND		5.6	2.7	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
Trichloroethene	ND		5.6	1.3	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
Trichlorofluoromethane	ND		5.6	3.3	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
Vinyl chloride	ND		5.6	2.8	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1
Xylenes, Total	ND		11	5.1	ug/Kg	☼	08/13/16 08:43	08/13/16 16:18	1

Client Sample ID: CB-1 2-4'
Date Collected: 08/08/16 09:25
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-1
Matrix: Solid
Percent Solids: 89.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		52 - 124	08/13/16 08:43	08/13/16 16:18	1
4-Bromofluorobenzene (Surr)	86		63 - 120	08/13/16 08:43	08/13/16 16:18	1
Dibromofluoromethane (Surr)	89		68 - 121	08/13/16 08:43	08/13/16 16:18	1
Toluene-d8 (Surr)	97		72 - 127	08/13/16 08:43	08/13/16 16:18	1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		7.5	0.71	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
Acenaphthylene	ND		7.5	0.85	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
Anthracene	**0.75**	**J**	7.5	0.73	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
Benzo[a]anthracene	**7.1**	**J**	7.5	0.93	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
Benzo[b]fluoranthene	**13**		7.5	1.2	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
Benzo[k]fluoranthene	**4.4**	**J**	7.5	1.5	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
Benzo[g,h,i]perylene	**6.5**	**J**	7.5	0.74	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
Benzo[a]pyrene	**8.4**		7.5	0.74	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
Bis(2-chloroethoxy)methane	ND		37	2.4	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
Bis(2-chloroethyl)ether	ND		7.5	1.0	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
Bis(2-ethylhexyl) phthalate	**300**		74	6.0	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
Butyl benzyl phthalate	**36**	**J**	37	5.1	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
4-Bromophenyl phenyl ether	ND		37	3.2	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
4-Chloroaniline	ND		37	3.0	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
4-Chloro-3-methylphenol	ND		37	3.4	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
4-Chlorophenyl phenyl ether	ND		37	4.1	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
4,6-Dinitro-2-methylphenol	ND		190	15	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
Methylphenol, 3 & 4	ND		37	3.6	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
4-Nitroaniline	ND		190	15	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
4-Nitrophenol	ND		190	14	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
Carbazole	ND		7.5	0.69	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
Chrysene	**8.7**		7.5	0.89	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
2-Chloronaphthalene	ND		7.5	0.78	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
2-Chlorophenol	ND		37	3.0	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
2,4-Dichlorophenol	ND		7.5	0.75	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
2,4-Dimethylphenol	ND		37	5.8	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
2,4-Dinitrophenol	ND		190	44	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
2,4-Dinitrotoluene	ND		37	3.0	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
2,6-Dinitrotoluene	ND		37	3.8	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
2-Methylnaphthalene	ND		7.5	0.67	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
2-Methylphenol	ND		37	2.6	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
2-Nitroaniline	ND		190	17	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
2-Nitrophenol	ND		37	4.1	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
2,2'-oxybis[1-chloropropane]	ND		7.5	0.80	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
2,4,6-Trichlorophenol	ND		37	5.6	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
2,4,5-Trichlorophenol	ND		37	4.0	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
Dibenz(a,h)anthracene	ND		7.5	0.83	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
Dibenzofuran	ND		37	3.7	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
Di-n-butyl phthalate	ND		37	4.7	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
Diethyl phthalate	ND		37	4.1	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
Dimethyl phthalate	ND		37	4.1	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
Di-n-octyl phthalate	ND		37	3.9	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
1,2-Dichlorobenzene	ND		37	3.9	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1

Client: Chester Engineers, Inc.
Project/Site: Lexington Tech Park

TestAmerica Job ID: 180-57326-1

Client Sample ID: CB-1 2-4'
Date Collected: 08/08/16 09:25
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-1
Matrix: Solid
Percent Solids: 89.7

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		37	2.9	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
1,4-Dichlorobenzene	ND		37	2.7	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
1,2,4-Trichlorobenzene	ND		37	2.1	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
Fluoranthene	**13**		7.5	0.80	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
Fluorene	ND		7.5	0.98	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
Hexachlorobenzene	ND		7.5	0.79	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
Hexachlorobutadiene	ND		7.5	0.83	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
Hexachlorocyclopentadiene	ND		37	4.0	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
Hexachloroethane	ND		37	2.7	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
Indeno[1,2,3-cd]pyrene	**5.8**	**J**	7.5	0.77	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
Isophorone	ND		37	2.8	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
Naphthalene	ND		7.5	0.64	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
Nitrobenzene	ND		74	3.1	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
N-Nitrosodiphenylamine	ND		37	3.4	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
N-Nitrosodi-n-propylamine	ND		7.5	0.87	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
Pentachlorophenol	ND		37	3.3	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
Phenanthrene	**5.9**	**J**	7.5	1.2	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
Phenol	ND		7.5	0.88	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
Pyrene	**15**		7.5	0.75	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
3,3'-Dichlorobenzidine	ND		37	3.9	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1
3-Nitroaniline	ND		190	15	ug/Kg	☼	08/11/16 03:00	08/11/16 11:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*70*		*20 - 134*	*08/11/16 03:00*	*08/11/16 11:29*	*1*
2-Fluorobiphenyl	*65*		*42 - 100*	*08/11/16 03:00*	*08/11/16 11:29*	*1*
2-Fluorophenol (Surr)	*56*		*21 - 107*	*08/11/16 03:00*	*08/11/16 11:29*	*1*
Nitrobenzene-d5 (Surr)	*67*		*35 - 109*	*08/11/16 03:00*	*08/11/16 11:29*	*1*
Phenol-d5 (Surr)	*55*		*29 - 105*	*08/11/16 03:00*	*08/11/16 11:29*	*1*
Terphenyl-d14 (Surr)	*87*		*36 - 113*	*08/11/16 03:00*	*08/11/16 11:29*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.54	0.18	mg/Kg	☼	08/10/16 07:17	08/12/16 11:05	1
Arsenic	**4.1**		1.1	0.48	mg/Kg	☼	08/10/16 07:17	08/12/16 11:05	1
Antimony	ND		1.1	0.38	mg/Kg	☼	08/10/16 07:17	08/12/16 11:05	1
Beryllium	**0.30**	**J**	0.43	0.11	mg/Kg	☼	08/10/16 07:17	08/12/16 11:05	1
Cadmium	**0.22**	**J**	0.54	0.12	mg/Kg	☼	08/10/16 07:17	08/12/16 11:05	1
Chromium	**6.0**		0.54	0.14	mg/Kg	☼	08/10/16 07:17	08/12/16 11:05	1
Copper	**6.5**		2.7	0.83	mg/Kg	☼	08/10/16 07:17	08/12/16 11:05	1
Lead	**4.4**		1.1	0.36	mg/Kg	☼	08/10/16 07:17	08/12/16 11:05	1
Nickel	**5.7**		4.3	0.18	mg/Kg	☼	08/10/16 07:17	08/12/16 11:05	1
Selenium	**0.47**	**J**	1.1	0.43	mg/Kg	☼	08/10/16 07:17	08/12/16 11:05	1
Thallium	ND		2.2	0.54	mg/Kg	☼	08/10/16 07:17	08/12/16 11:05	1
Zinc	**26**	**F1**	2.2	1.1	mg/Kg	☼	08/10/16 07:17	08/12/16 11:05	1
Vanadium	**13**		5.4	1.7	mg/Kg	☼	08/10/16 07:17	08/12/16 11:05	1
Cobalt	**6.1**		5.4	1.2	mg/Kg	☼	08/10/16 07:17	08/12/16 11:05	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.030**	**J**	0.034	0.0076	mg/Kg	☼	08/10/16 08:10	08/10/16 11:02	1

Client Sample ID: CB-1 2-4'

Lab Sample ID: 180-57326-1
Date Collected: 08/08/16 09:25
Matrix: Solid
Date Received: 08/09/16 08:45
Percent Solids: 89.7

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	10.3		0.1	0.1	%			08/10/16 12:40	1
Percent Solids	89.7		0.1	0.1	%			08/10/16 12:40	1

Client Sample ID: CB-1 6-8'

Lab Sample ID: 180-57326-2
Date Collected: 08/08/16 09:35
Matrix: Solid
Date Received: 08/09/16 08:45
Percent Solids: 85.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6.0	1.3	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
1,1,2,2-Tetrachloroethane	ND		6.0	4.8	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.0	1.7	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
1,1,2-Trichloroethane	ND		6.0	3.4	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
1,1-Dichloroethane	ND		6.0	1.3	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
1,1-Dichloroethene	ND		6.0	1.7	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
1,2-Dibromo-3-Chloropropane	ND		6.0	5.4	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
1,2-Dichlorobenzene	ND		6.0	3.9	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
1,2-Dichloroethane	ND		6.0	1.3	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
1,2-Dichloropropane	ND		6.0	2.2	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
1,2,4-Trichlorobenzene	ND		6.0	4.9	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
1,3-Dichlorobenzene	ND		6.0	3.6	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
1,4-Dichlorobenzene	ND		6.0	3.6	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
2-Butanone (MEK)	ND		6.0	3.6	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
2-Hexanone	ND		6.0	4.9	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
4-Methyl-2-pentanone (MIBK)	ND		6.0	4.3	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
Acetone	ND		24	12	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
Benzene	ND		6.0	3.6	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
Bromoform	ND		6.0	5.5	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
Bromomethane	ND		6.0	2.1	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
Carbon disulfide	ND		6.0	2.5	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
Carbon tetrachloride	ND		6.0	1.6	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
Chlorobenzene	ND		6.0	2.7	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
Chlorodibromomethane	ND		6.0	3.0	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
Chloroform	ND		6.0	1.5	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
Chloromethane	ND		6.0	3.2	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
Chloroethane	ND		6.0	2.6	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
cis-1,2-Dichloroethene	ND		6.0	1.6	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
cis-1,3-Dichloropropene	ND		6.0	2.6	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
Dichlorobromomethane	ND		6.0	2.4	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
Dichlorodifluoromethane	ND		6.0	3.5	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
Ethylbenzene	ND		6.0	2.4	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
1,2-Dibromoethane	ND		6.0	2.6	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
Cyclohexane	ND		6.0	1.8	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
Isopropylbenzene	ND		6.0	4.1	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
Methyl acetate	ND		30	16	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
Methyl tert-butyl ether	ND		6.0	3.0	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
Methylcyclohexane	ND		6.0	2.2	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
Methylene Chloride	1.7	J B	6.0	0.67	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
Styrene	ND		6.0	2.8	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
Tetrachloroethene	ND		6.0	1.5	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1

Client Sample ID: CB-1 6-8'
Date Collected: 08/08/16 09:35
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-2
Matrix: Solid
Percent Solids: 85.8

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		6.0	4.3	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
trans-1,2-Dichloroethene	ND		6.0	1.2	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
trans-1,3-Dichloropropene	ND		6.0	2.9	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
Trichloroethene	ND		6.0	1.3	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
Trichlorofluoromethane	ND		6.0	3.5	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
Vinyl chloride	ND		6.0	3.1	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1
Xylenes, Total	ND		12	5.4	ug/Kg	☼	08/13/16 08:43	08/13/16 16:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*52 - 124*	*08/13/16 08:43*	*08/13/16 16:41*	*1*
4-Bromofluorobenzene (Surr)	*88*		*63 - 120*	*08/13/16 08:43*	*08/13/16 16:41*	*1*
Dibromofluoromethane (Surr)	*94*		*68 - 121*	*08/13/16 08:43*	*08/13/16 16:41*	*1*
Toluene-d8 (Surr)	*94*		*72 - 127*	*08/13/16 08:43*	*08/13/16 16:41*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		7.8	0.74	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
Acenaphthylene	ND		7.8	0.88	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
Anthracene	ND		7.8	0.76	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
Benzo[a]anthracene	ND		7.8	0.97	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
Benzo[b]fluoranthene	ND		7.8	1.2	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
Benzo[k]fluoranthene	ND		7.8	1.6	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
Benzo[g,h,i]perylene	ND		7.8	0.77	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
Benzo[a]pyrene	ND		7.8	0.77	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
Bis(2-chloroethoxy)methane	ND		38	2.5	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
Bis(2-chloroethyl)ether	ND		7.8	1.0	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
Bis(2-ethylhexyl) phthalate	**240**		77	6.2	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
Butyl benzyl phthalate	**38**	**F1**	38	5.3	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
4-Bromophenyl phenyl ether	ND		38	3.4	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
4-Chloroaniline	ND		38	3.1	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
4-Chloro-3-methylphenol	ND		38	3.6	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
4-Chlorophenyl phenyl ether	ND		38	4.3	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
4,6-Dinitro-2-methylphenol	ND		200	16	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
Methylphenol, 3 & 4	ND		38	3.8	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
4-Nitroaniline	ND		200	16	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
4-Nitrophenol	ND		200	14	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
Carbazole	ND		7.8	0.71	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
Chrysene	ND		7.8	0.92	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
2-Chloronaphthalene	ND		7.8	0.81	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
2-Chlorophenol	ND		38	3.2	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
2,4-Dichlorophenol	ND		7.8	0.78	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
2,4-Dimethylphenol	ND		38	6.0	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
2,4-Dinitrophenol	ND		200	46	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
2,4-Dinitrotoluene	ND		38	3.1	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
2,6-Dinitrotoluene	ND		38	4.0	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
2-Methylnaphthalene	ND		7.8	0.69	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
2-Methylphenol	ND		38	2.7	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
2-Nitroaniline	ND		200	17	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
2-Nitrophenol	ND		38	4.3	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
2,2'-oxybis[1-chloropropane]	ND		7.8	0.83	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1

Client Sample ID: CB-1 6-8'
Date Collected: 08/08/16 09:35
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-2
Matrix: Solid
Percent Solids: 85.8

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		38	5.8	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
2,4,5-Trichlorophenol	ND		38	4.1	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
Dibenz(a,h)anthracene	ND		7.8	0.86	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
Dibenzofuran	ND		38	3.8	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
Di-n-butyl phthalate	ND		38	4.8	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
Diethyl phthalate	ND		38	4.2	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
Dimethyl phthalate	ND		38	4.2	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
Di-n-octyl phthalate	ND	F1	38	4.1	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
1,2-Dichlorobenzene	ND		38	4.1	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
1,3-Dichlorobenzene	ND		38	3.0	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
1,4-Dichlorobenzene	ND		38	2.8	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
1,2,4-Trichlorobenzene	ND		38	2.1	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
Fluoranthene	ND		7.8	0.83	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
Fluorene	ND		7.8	1.0	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
Hexachlorobenzene	ND		7.8	0.82	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
Hexachlorobutadiene	ND		7.8	0.86	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
Hexachlorocyclopentadiene	ND		38	4.2	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
Hexachloroethane	ND		38	2.8	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
Indeno[1,2,3-cd]pyrene	ND		7.8	0.80	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
Isophorone	ND		38	2.9	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
Naphthalene	ND		7.8	0.67	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
Nitrobenzene	ND		77	3.2	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
N-Nitrosodiphenylamine	ND		38	3.6	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
N-Nitrosodi-n-propylamine	ND		7.8	0.91	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
Pentachlorophenol	ND		38	3.5	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
Phenanthrene	ND		7.8	1.2	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
Phenol	ND		7.8	0.91	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
Pyrene	ND	F1	7.8	0.78	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
3,3'-Dichlorobenzidine	ND		38	4.1	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1
3-Nitroaniline	ND		200	16	ug/Kg	☼	08/11/16 03:00	08/11/16 11:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*64*		*20 - 134*	*08/11/16 03:00*	*08/11/16 11:58*	*1*
2-Fluorobiphenyl	*58*		*42 - 100*	*08/11/16 03:00*	*08/11/16 11:58*	*1*
2-Fluorophenol (Surr)	*53*		*21 - 107*	*08/11/16 03:00*	*08/11/16 11:58*	*1*
Nitrobenzene-d5 (Surr)	*61*		*35 - 109*	*08/11/16 03:00*	*08/11/16 11:58*	*1*
Phenol-d5 (Surr)	*52*		*29 - 105*	*08/11/16 03:00*	*08/11/16 11:58*	*1*
Terphenyl-d14 (Surr)	*79*		*36 - 113*	*08/11/16 03:00*	*08/11/16 11:58*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.57	0.19	mg/Kg	☼	08/10/16 07:17	08/12/16 11:41	1
Arsenic	**2.9**		1.1	0.50	mg/Kg	☼	08/10/16 07:17	08/12/16 11:41	1
Antimony	ND		1.1	0.40	mg/Kg	☼	08/10/16 07:17	08/12/16 11:41	1
Beryllium	**0.84**		0.45	0.12	mg/Kg	☼	08/10/16 07:17	08/12/16 11:41	1
Cadmium	**0.26**	**J**	0.57	0.13	mg/Kg	☼	08/10/16 07:17	08/12/16 11:41	1
Chromium	**9.6**		0.57	0.15	mg/Kg	☼	08/10/16 07:17	08/12/16 11:41	1
Copper	**14**		2.8	0.87	mg/Kg	☼	08/10/16 07:17	08/12/16 11:41	1
Lead	**11**		1.1	0.37	mg/Kg	☼	08/10/16 07:17	08/12/16 11:41	1
Nickel	**15**		4.5	0.19	mg/Kg	☼	08/10/16 07:17	08/12/16 11:41	1

Client Sample ID: CB-1 6-8'

Lab Sample ID: 180-57326-2
Date Collected: 08/08/16 09:35
Matrix: Solid
Date Received: 08/09/16 08:45
Percent Solids: 85.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		1.1	0.45	mg/Kg	☼	08/10/16 07:17	08/12/16 11:41	1
Thallium	ND		2.3	0.57	mg/Kg	☼	08/10/16 07:17	08/12/16 11:41	1
Zinc	**52**		2.3	1.1	mg/Kg	☼	08/10/16 07:17	08/12/16 11:41	1
Vanadium	**15**		5.7	1.8	mg/Kg	☼	08/10/16 07:17	08/12/16 11:41	1
Cobalt	**5.3**	**J**	5.7	1.3	mg/Kg	☼	08/10/16 07:17	08/12/16 11:41	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.022**	**J**	0.037	0.0083	mg/Kg	☼	08/10/16 08:10	08/10/16 11:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.2**		0.1	0.1	%			08/10/16 14:59	1
Percent Solids	**85.8**		0.1	0.1	%			08/10/16 14:59	1

Client Sample ID: CB-2 0-4'

Lab Sample ID: 180-57326-3
Date Collected: 08/08/16 10:20
Matrix: Solid
Date Received: 08/09/16 08:45
Percent Solids: 81.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6.1	1.3	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
1,1,2,2-Tetrachloroethane	ND		6.1	4.9	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.1	1.7	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
1,1,2-Trichloroethane	ND		6.1	3.4	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
1,1-Dichloroethane	ND		6.1	1.4	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
1,1-Dichloroethene	ND		6.1	1.8	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
1,2-Dibromo-3-Chloropropane	ND		6.1	5.5	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
1,2-Dichlorobenzene	ND		6.1	4.0	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
1,2-Dichloroethane	ND		6.1	1.4	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
1,2-Dichloropropane	ND		6.1	2.3	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
1,2,4-Trichlorobenzene	ND		6.1	5.0	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
1,3-Dichlorobenzene	ND		6.1	3.6	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
1,4-Dichlorobenzene	ND		6.1	3.6	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
2-Butanone (MEK)	ND		6.1	3.6	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
2-Hexanone	ND		6.1	5.0	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
4-Methyl-2-pentanone (MIBK)	ND		6.1	4.4	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
Acetone	ND		24	13	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
Benzene	ND		6.1	3.7	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
Bromoform	ND		6.1	5.6	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
Bromomethane	ND		6.1	2.1	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
Carbon disulfide	ND		6.1	2.6	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
Carbon tetrachloride	ND		6.1	1.7	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
Chlorobenzene	ND		6.1	2.7	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
Chlorodibromomethane	ND		6.1	3.0	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
Chloroform	ND		6.1	1.5	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
Chloromethane	ND		6.1	3.2	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
Chloroethane	ND		6.1	2.6	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
cis-1,2-Dichloroethene	ND		6.1	1.6	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
cis-1,3-Dichloropropene	ND		6.1	2.7	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1

Client Sample ID: CB-2 0-4'
Date Collected: 08/08/16 10:20
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-3
Matrix: Solid
Percent Solids: 81.6

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		6.1	2.4	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
Dichlorodifluoromethane	ND		6.1	3.6	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
Ethylbenzene	ND		6.1	2.4	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
1,2-Dibromoethane	ND		6.1	2.6	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
Cyclohexane	ND		6.1	1.8	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
Isopropylbenzene	ND		6.1	4.2	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
Methyl acetate	ND		30	16	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
Methyl tert-butyl ether	ND		6.1	3.1	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
Methylcyclohexane	ND		6.1	2.2	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
Methylene Chloride	**1.9**	**J B**	6.1	0.68	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
Styrene	ND		6.1	2.9	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
Tetrachloroethene	ND		6.1	1.5	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
Toluene	ND		6.1	4.4	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
trans-1,2-Dichloroethene	ND		6.1	1.3	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
trans-1,3-Dichloropropene	ND		6.1	2.9	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
Trichloroethene	ND		6.1	1.4	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
Trichlorofluoromethane	ND		6.1	3.6	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
Vinyl chloride	ND		6.1	3.1	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1
Xylenes, Total	ND		12	5.6	ug/Kg	☼	08/13/16 08:43	08/13/16 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*52 - 124*	*08/13/16 08:43*	*08/13/16 17:03*	*1*
4-Bromofluorobenzene (Surr)	*88*		*63 - 120*	*08/13/16 08:43*	*08/13/16 17:03*	*1*
Dibromofluoromethane (Surr)	*94*		*68 - 121*	*08/13/16 08:43*	*08/13/16 17:03*	*1*
Toluene-d8 (Surr)	*99*		*72 - 127*	*08/13/16 08:43*	*08/13/16 17:03*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		8.2	0.79	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
Acenaphthylene	ND		8.2	0.94	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
Anthracene	ND		8.2	0.80	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
Benzo[a]anthracene	**5.8**	**J**	8.2	1.0	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
Benzo[b]fluoranthene	**12**		8.2	1.3	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
Benzo[k]fluoranthene	**5.4**	**J**	8.2	1.7	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
Benzo[g,h,i]perylene	**7.9**	**J**	8.2	0.81	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
Benzo[a]pyrene	**8.5**		8.2	0.82	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
Bis(2-chloroethoxy)methane	ND		40	2.7	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
Bis(2-chloroethyl)ether	ND		8.2	1.1	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
Bis(2-ethylhexyl) phthalate	**93**		82	6.6	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
Butyl benzyl phthalate	**23**	**J**	40	5.6	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
4-Bromophenyl phenyl ether	ND		40	3.6	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
4-Chloroaniline	ND		40	3.3	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
4-Chloro-3-methylphenol	ND		40	3.8	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
4-Chlorophenyl phenyl ether	ND		40	4.5	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
4,6-Dinitro-2-methylphenol	ND		210	16	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
Methylphenol, 3 & 4	ND		40	4.0	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
4-Nitroaniline	ND		210	17	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
4-Nitrophenol	ND		210	15	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
Carbazole	ND		8.2	0.75	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
Chrysene	**7.5**	**J**	8.2	0.97	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1

Client Sample ID: CB-2 0-4'
Date Collected: 08/08/16 10:20
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-3
Matrix: Solid
Percent Solids: 81.6

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		8.2	0.85	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
2-Chlorophenol	ND		40	3.3	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
2,4-Dichlorophenol	ND		8.2	0.82	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
2,4-Dimethylphenol	ND		40	6.4	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
2,4-Dinitrophenol	ND		210	49	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
2,4-Dinitrotoluene	ND		40	3.3	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
2,6-Dinitrotoluene	ND		40	4.2	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
2-Methylnaphthalene	ND		8.2	0.74	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
2-Methylphenol	ND		40	2.9	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
2-Nitroaniline	ND		210	18	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
2-Nitrophenol	ND		40	4.5	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
2,2'-oxybis[1-chloropropane]	ND		8.2	0.88	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
2,4,6-Trichlorophenol	ND		40	6.1	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
2,4,5-Trichlorophenol	ND		40	4.4	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
Dibenz(a,h)anthracene	**2.0**	**J**	8.2	0.91	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
Dibenzofuran	ND		40	4.0	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
Di-n-butyl phthalate	ND		40	5.1	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
Diethyl phthalate	ND		40	4.5	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
Dimethyl phthalate	ND		40	4.5	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
Di-n-octyl phthalate	ND		40	4.3	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
1,2-Dichlorobenzene	ND		40	4.3	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
1,3-Dichlorobenzene	ND		40	3.2	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
1,4-Dichlorobenzene	ND		40	2.9	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
1,2,4-Trichlorobenzene	ND		40	2.3	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
Fluoranthene	**5.9**	**J**	8.2	0.87	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
Fluorene	ND		8.2	1.1	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
Hexachlorobenzene	ND		8.2	0.87	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
Hexachlorobutadiene	ND		8.2	0.91	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
Hexachlorocyclopentadiene	ND		40	4.4	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
Hexachloroethane	ND		40	2.9	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
Indeno[1,2,3-cd]pyrene	**6.7**	**J**	8.2	0.84	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
Isophorone	ND		40	3.1	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
Naphthalene	ND		8.2	0.70	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
Nitrobenzene	ND		82	3.4	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
N-Nitrosodiphenylamine	ND		40	3.8	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
N-Nitrosodi-n-propylamine	ND		8.2	0.96	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
Pentachlorophenol	ND		40	3.7	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
Phenanthrene	**4.3**	**J**	8.2	1.3	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
Phenol	ND		8.2	0.97	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
Pyrene	**7.9**	**J**	8.2	0.83	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
3,3'-Dichlorobenzidine	ND		40	4.3	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1
3-Nitroaniline	ND		210	17	ug/Kg	☼	08/11/16 03:00	08/11/16 13:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*62*		*20 - 134*	*08/11/16 03:00*	*08/11/16 13:25*	*1*
2-Fluorobiphenyl	*60*		*42 - 100*	*08/11/16 03:00*	*08/11/16 13:25*	*1*
2-Fluorophenol (Surr)	*49*		*21 - 107*	*08/11/16 03:00*	*08/11/16 13:25*	*1*
Nitrobenzene-d5 (Surr)	*61*		*35 - 109*	*08/11/16 03:00*	*08/11/16 13:25*	*1*
Phenol-d5 (Surr)	*49*		*29 - 105*	*08/11/16 03:00*	*08/11/16 13:25*	*1*
Terphenyl-d14 (Surr)	*80*		*36 - 113*	*08/11/16 03:00*	*08/11/16 13:25*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.58	0.19	mg/Kg	☼	08/10/16 07:17	08/12/16 11:46	1
Arsenic	**9.7**	**^**	1.2	0.51	mg/Kg	☼	08/10/16 07:17	08/12/16 11:46	1
Antimony	ND		1.2	0.41	mg/Kg	☼	08/10/16 07:17	08/12/16 11:46	1
Beryllium	**1.5**		0.47	0.12	mg/Kg	☼	08/10/16 07:17	08/12/16 11:46	1
Cadmium	**0.51**	**J**	0.58	0.13	mg/Kg	☼	08/10/16 07:17	08/12/16 11:46	1
Chromium	**15**		0.58	0.15	mg/Kg	☼	08/10/16 07:17	08/12/16 11:46	1
Copper	**13**		2.9	0.90	mg/Kg	☼	08/10/16 07:17	08/12/16 11:46	1
Lead	**13**		1.2	0.38	mg/Kg	☼	08/10/16 07:17	08/12/16 11:46	1
Nickel	**10**		4.7	0.20	mg/Kg	☼	08/10/16 07:17	08/12/16 11:46	1
Selenium	**0.72**	**J**	1.2	0.46	mg/Kg	☼	08/10/16 07:17	08/12/16 11:46	1
Thallium	ND		2.3	0.58	mg/Kg	☼	08/10/16 07:17	08/12/16 11:46	1
Zinc	**27**		2.3	1.2	mg/Kg	☼	08/10/16 07:17	08/12/16 11:46	1
Vanadium	**31**		5.8	1.8	mg/Kg	☼	08/10/16 07:17	08/12/16 11:46	1
Cobalt	**9.4**		5.8	1.3	mg/Kg	☼	08/10/16 07:17	08/12/16 11:46	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.77**		0.036	0.0081	mg/Kg	☼	08/10/16 08:10	08/10/16 11:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**18.4**		0.1	0.1	%			08/10/16 16:09	1
Percent Solids	**81.6**		0.1	0.1	%			08/10/16 16:09	1

Client Sample ID: CB-2 6-8'

Date Collected: 08/08/16 10:30
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-4

Matrix: Solid
Percent Solids: 85.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.1	1.1	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
1,1,2,2-Tetrachloroethane	ND		5.1	4.1	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	1.4	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
1,1,2-Trichloroethane	ND		5.1	2.9	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
1,1-Dichloroethane	ND		5.1	1.2	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
1,1-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
1,2-Dibromo-3-Chloropropane	ND		5.1	4.6	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
1,2-Dichlorobenzene	ND		5.1	3.3	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
1,2-Dichloroethane	ND		5.1	1.1	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
1,2-Dichloropropane	ND		5.1	1.9	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
1,2,4-Trichlorobenzene	ND		5.1	4.2	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
1,4-Dichlorobenzene	ND		5.1	3.0	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
2-Butanone (MEK)	ND		5.1	3.1	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
2-Hexanone	ND		5.1	4.2	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	3.7	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
Acetone	ND		20	11	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
Benzene	ND		5.1	3.1	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
Bromoform	ND		5.1	4.7	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
Bromomethane	ND		5.1	1.8	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
Carbon disulfide	ND		5.1	2.2	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
Carbon tetrachloride	ND		5.1	1.4	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
Chlorobenzene	ND		5.1	2.3	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1

Client Sample ID: CB-2 6-8'
Date Collected: 08/08/16 10:30
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-4
Matrix: Solid
Percent Solids: 85.4

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		5.1	1.3	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
Chloromethane	ND		5.1	2.7	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
Chloroethane	ND		5.1	2.2	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
cis-1,2-Dichloroethene	ND		5.1	1.4	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
cis-1,3-Dichloropropene	ND		5.1	2.2	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
Dichlorobromomethane	ND		5.1	2.1	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
Dichlorodifluoromethane	ND		5.1	3.0	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
Ethylbenzene	ND		5.1	2.0	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
1,2-Dibromoethane	ND		5.1	2.2	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
Cyclohexane	ND		5.1	1.5	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
Isopropylbenzene	ND		5.1	3.5	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
Methyl acetate	ND		26	14	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
Methyl tert-butyl ether	ND		5.1	2.6	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
Methylcyclohexane	ND		5.1	1.9	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
Methylene Chloride	**1.7**	**J B**	5.1	0.57	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
Styrene	ND		5.1	2.4	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
Tetrachloroethene	ND		5.1	1.3	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
Toluene	ND		5.1	3.7	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
trans-1,2-Dichloroethene	ND		5.1	1.0	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
trans-1,3-Dichloropropene	ND		5.1	2.5	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
Trichloroethene	ND		5.1	1.2	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
Trichlorofluoromethane	ND		5.1	3.0	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
Vinyl chloride	ND		5.1	2.6	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1
Xylenes, Total	ND		10	4.7	ug/Kg	☼	08/14/16 14:30	08/14/16 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*82*		*52 - 124*	*08/14/16 14:30*	*08/14/16 16:51*	*1*
4-Bromofluorobenzene (Surr)	*88*		*63 - 120*	*08/14/16 14:30*	*08/14/16 16:51*	*1*
Dibromofluoromethane (Surr)	*90*		*68 - 121*	*08/14/16 14:30*	*08/14/16 16:51*	*1*
Toluene-d8 (Surr)	*95*		*72 - 127*	*08/14/16 14:30*	*08/14/16 16:51*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		7.8	0.75	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
Acenaphthylene	ND		7.8	0.89	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
Anthracene	ND		7.8	0.76	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
Benzo[a]anthracene	ND		7.8	0.98	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
Benzo[b]fluoranthene	ND		7.8	1.2	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
Benzo[k]fluoranthene	ND		7.8	1.6	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
Benzo[g,h,i]perylene	ND		7.8	0.78	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
Benzo[a]pyrene	ND		7.8	0.78	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
Bis(2-chloroethoxy)methane	ND		39	2.6	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
Bis(2-chloroethyl)ether	ND		7.8	1.0	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
Bis(2-ethylhexyl) phthalate	ND		78	6.3	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
Butyl benzyl phthalate	**5.5**	**J**	39	5.3	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
4-Bromophenyl phenyl ether	ND		39	3.4	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
4-Chloroaniline	ND		39	3.1	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
4-Chloro-3-methylphenol	ND		39	3.6	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
4-Chlorophenyl phenyl ether	ND		39	4.3	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
4,6-Dinitro-2-methylphenol	ND		200	16	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1

Client Sample ID: CB-2 6-8'
Date Collected: 08/08/16 10:30
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-4
Matrix: Solid
Percent Solids: 85.4

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		39	3.8	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
4-Nitroaniline	ND		200	16	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
4-Nitrophenol	ND		200	14	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
Carbazole	ND		7.8	0.72	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
Chrysene	ND		7.8	0.93	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
2-Chloronaphthalene	ND		7.8	0.82	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
2-Chlorophenol	ND		39	3.2	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
2,4-Dichlorophenol	ND		7.8	0.78	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
2,4-Dimethylphenol	ND		39	6.1	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
2,4-Dinitrophenol	ND		200	47	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
2,4-Dinitrotoluene	ND		39	3.2	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
2,6-Dinitrotoluene	ND		39	4.0	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
2-Methylnaphthalene	ND		7.8	0.70	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
2-Methylphenol	ND		39	2.7	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
2-Nitroaniline	ND		200	17	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
2-Nitrophenol	ND		39	4.3	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
2,2'-oxybis[1-chloropropane]	ND		7.8	0.84	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
2,4,6-Trichlorophenol	ND		39	5.8	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
2,4,5-Trichlorophenol	ND		39	4.2	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
Dibenz(a,h)anthracene	ND		7.8	0.87	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
Dibenzofuran	ND		39	3.8	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
Di-n-butyl phthalate	ND		39	4.9	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
Diethyl phthalate	ND		39	4.3	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
Dimethyl phthalate	ND		39	4.3	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
Di-n-octyl phthalate	ND		39	4.1	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
1,2-Dichlorobenzene	ND		39	4.1	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
1,3-Dichlorobenzene	ND		39	3.0	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
1,4-Dichlorobenzene	ND		39	2.8	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
1,2,4-Trichlorobenzene	ND		39	2.2	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
Fluoranthene	ND		7.8	0.84	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
Fluorene	ND		7.8	1.0	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
Hexachlorobenzene	ND		7.8	0.83	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
Hexachlorobutadiene	ND		7.8	0.87	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
Hexachlorocyclopentadiene	ND		39	4.2	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
Hexachloroethane	ND		39	2.8	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
Indeno[1,2,3-cd]pyrene	ND		7.8	0.80	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
Isophorone	ND		39	2.9	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
Naphthalene	ND		7.8	0.67	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
Nitrobenzene	ND		78	3.3	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
N-Nitrosodiphenylamine	ND		39	3.6	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
N-Nitrosodi-n-propylamine	ND		7.8	0.92	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
Pentachlorophenol	ND		39	3.5	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
Phenanthrene	ND		7.8	1.2	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
Phenol	ND		7.8	0.92	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
Pyrene	ND		7.8	0.79	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
3,3'-Dichlorobenzidine	ND		39	4.1	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1
3-Nitroaniline	ND		200	16	ug/Kg	☼	08/11/16 03:00	08/11/16 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*58*		*20 - 134*	*08/11/16 03:00*	*08/11/16 13:54*	*1*

Client Sample ID: CB-2 6-8'

Lab Sample ID: 180-57326-4
Date Collected: 08/08/16 10:30
Matrix: Solid
Date Received: 08/09/16 08:45
Percent Solids: 85.4

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*57*		*42 - 100*	*08/11/16 03:00*	*08/11/16 13:54*	*1*
2-Fluorophenol (Surr)	*50*		*21 - 107*	*08/11/16 03:00*	*08/11/16 13:54*	*1*
Nitrobenzene-d5 (Surr)	*58*		*35 - 109*	*08/11/16 03:00*	*08/11/16 13:54*	*1*
Phenol-d5 (Surr)	*49*		*29 - 105*	*08/11/16 03:00*	*08/11/16 13:54*	*1*
Terphenyl-d14 (Surr)	*79*		*36 - 113*	*08/11/16 03:00*	*08/11/16 13:54*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.54	0.18	mg/Kg	☼	08/10/16 07:17	08/12/16 11:51	1
Arsenic	**2.4**		1.1	0.47	mg/Kg	☼	08/10/16 07:17	08/12/16 11:51	1
Antimony	ND		1.1	0.38	mg/Kg	☼	08/10/16 07:17	08/12/16 11:51	1
Beryllium	**0.28**	**J**	0.43	0.11	mg/Kg	☼	08/10/16 07:17	08/12/16 11:51	1
Cadmium	**0.14**	**J**	0.54	0.12	mg/Kg	☼	08/10/16 07:17	08/12/16 11:51	1
Chromium	**11**		0.54	0.14	mg/Kg	☼	08/10/16 07:17	08/12/16 11:51	1
Copper	**8.0**		2.7	0.83	mg/Kg	☼	08/10/16 07:17	08/12/16 11:51	1
Lead	**8.1**		1.1	0.35	mg/Kg	☼	08/10/16 07:17	08/12/16 11:51	1
Nickel	**7.9**		4.3	0.18	mg/Kg	☼	08/10/16 07:17	08/12/16 11:51	1
Selenium	ND		1.1	0.43	mg/Kg	☼	08/10/16 07:17	08/12/16 11:51	1
Thallium	ND		2.1	0.54	mg/Kg	☼	08/10/16 07:17	08/12/16 11:51	1
Zinc	**21**		2.1	1.1	mg/Kg	☼	08/10/16 07:17	08/12/16 11:51	1
Vanadium	**8.3**		5.4	1.7	mg/Kg	☼	08/10/16 07:17	08/12/16 11:51	1
Cobalt	**3.2**	**J**	5.4	1.2	mg/Kg	☼	08/10/16 07:17	08/12/16 11:51	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.036	0.0080	mg/Kg	☼	08/10/16 08:10	08/10/16 11:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.6**		0.1	0.1	%			08/10/16 17:18	1
Percent Solids	**85.4**		0.1	0.1	%			08/10/16 17:18	1

Client Sample ID: CB-4 0-2'

Lab Sample ID: 180-57326-5
Date Collected: 08/08/16 12:20
Matrix: Solid
Date Received: 08/09/16 08:45
Percent Solids: 83.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6.0	1.3	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
1,1,2,2-Tetrachloroethane	ND		6.0	4.8	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.0	1.7	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
1,1,2-Trichloroethane	ND		6.0	3.4	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
1,1-Dichloroethane	ND		6.0	1.4	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
1,1-Dichloroethene	ND		6.0	1.7	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
1,2-Dibromo-3-Chloropropane	ND		6.0	5.4	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
1,2-Dichlorobenzene	ND		6.0	3.9	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
1,2-Dichloroethane	ND		6.0	1.3	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
1,2-Dichloropropane	ND		6.0	2.2	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
1,2,4-Trichlorobenzene	ND		6.0	4.9	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
1,3-Dichlorobenzene	ND		6.0	3.6	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1

Client Sample ID: CB-4 0-2'
Date Collected: 08/08/16 12:20
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-5
Matrix: Solid
Percent Solids: 83.5

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		6.0	3.6	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
2-Butanone (MEK)	ND		6.0	3.6	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
2-Hexanone	ND		6.0	4.9	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
4-Methyl-2-pentanone (MIBK)	ND		6.0	4.3	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
Acetone	ND		24	12	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
Benzene	ND		6.0	3.6	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
Bromoform	ND		6.0	5.5	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
Bromomethane	ND		6.0	2.1	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
Carbon disulfide	ND		6.0	2.5	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
Carbon tetrachloride	ND		6.0	1.6	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
Chlorobenzene	ND		6.0	2.7	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
Chlorodibromomethane	ND		6.0	3.0	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
Chloroform	ND		6.0	1.5	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
Chloromethane	ND		6.0	3.2	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
Chloroethane	ND		6.0	2.6	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
cis-1,2-Dichloroethene	ND		6.0	1.6	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
cis-1,3-Dichloropropene	ND		6.0	2.6	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
Dichlorobromomethane	ND		6.0	2.4	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
Dichlorodifluoromethane	ND		6.0	3.5	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
Ethylbenzene	ND		6.0	2.4	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
1,2-Dibromoethane	ND		6.0	2.6	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
Cyclohexane	ND		6.0	1.8	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
Isopropylbenzene	ND		6.0	4.1	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
Methyl acetate	ND		30	16	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
Methyl tert-butyl ether	ND		6.0	3.0	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
Methylcyclohexane	ND		6.0	2.2	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
Methylene Chloride	**1.5**	**J B**	6.0	0.67	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
Styrene	ND		6.0	2.8	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
Tetrachloroethene	ND		6.0	1.5	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
Toluene	ND		6.0	4.4	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
trans-1,2-Dichloroethene	ND		6.0	1.2	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
trans-1,3-Dichloropropene	ND		6.0	2.9	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
Trichloroethene	ND		6.0	1.4	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
Trichlorofluoromethane	ND		6.0	3.6	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
Vinyl chloride	ND		6.0	3.1	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1
Xylenes, Total	ND		12	5.5	ug/Kg	☼	08/13/16 08:43	08/13/16 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*52 - 124*	*08/13/16 08:43*	*08/13/16 17:48*	*1*
4-Bromofluorobenzene (Surr)	*90*		*63 - 120*	*08/13/16 08:43*	*08/13/16 17:48*	*1*
Dibromofluoromethane (Surr)	*74*		*68 - 121*	*08/13/16 08:43*	*08/13/16 17:48*	*1*
Toluene-d8 (Surr)	*101*		*72 - 127*	*08/13/16 08:43*	*08/13/16 17:48*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		80	7.6	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
Acenaphthylene	ND		80	9.1	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
Anthracene	ND		80	7.8	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
Benzo[a]anthracene	**32**	**J**	80	9.9	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
Benzo[b]fluoranthene	**97**		80	12	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10

Client Sample ID: CB-4 0-2'
Date Collected: 08/08/16 12:20
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-5
Matrix: Solid
Percent Solids: 83.5

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	**26**	**J**	80	16	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
Benzo[g,h,i]perylene	**73**	**J**	80	7.9	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
Benzo[a]pyrene	**56**	**J**	80	7.9	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
Bis(2-chloroethoxy)methane	ND		390	26	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
Bis(2-chloroethyl)ether	ND		80	11	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
Bis(2-ethylhexyl) phthalate	ND		790	64	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
Butyl benzyl phthalate	ND		390	54	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
4-Bromophenyl phenyl ether	ND		390	35	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
4-Chloroaniline	ND		390	32	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
4-Chloro-3-methylphenol	ND		390	37	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
4-Chlorophenyl phenyl ether	ND		390	44	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
4,6-Dinitro-2-methylphenol	ND		2000	160	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
Methylphenol, 3 & 4	ND		390	39	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
4-Nitroaniline	ND		2000	160	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
4-Nitrophenol	ND		2000	140	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
Carbazole	ND		80	7.3	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
Chrysene	**57**	**J**	80	9.4	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
2-Chloronaphthalene	ND		80	8.3	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
2-Chlorophenol	ND		390	32	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
2,4-Dichlorophenol	ND		80	8.0	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
2,4-Dimethylphenol	ND		390	62	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
2,4-Dinitrophenol	ND		2000	470	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
2,4-Dinitrotoluene	ND		390	32	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
2,6-Dinitrotoluene	ND		390	41	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
2-Methylnaphthalene	ND		80	7.1	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
2-Methylphenol	ND		390	28	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
2-Nitroaniline	ND		2000	180	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
2-Nitrophenol	ND		390	44	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
2,2'-oxybis[1-chloropropane]	ND		80	8.6	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
2,4,6-Trichlorophenol	ND		390	59	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
2,4,5-Trichlorophenol	ND		390	42	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
Dibenz(a,h)anthracene	**12**	**J**	80	8.8	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
Dibenzofuran	ND		390	39	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
Di-n-butyl phthalate	ND		390	50	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
Diethyl phthalate	ND		390	43	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
Dimethyl phthalate	ND		390	43	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
Di-n-octyl phthalate	ND		390	42	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
1,2-Dichlorobenzene	ND		390	42	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
1,3-Dichlorobenzene	ND		390	31	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
1,4-Dichlorobenzene	ND		390	28	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
1,2,4-Trichlorobenzene	ND		390	22	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
Fluoranthene	**79**	**J**	80	8.5	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
Fluorene	ND		80	10	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
Hexachlorobenzene	ND		80	8.5	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
Hexachlorobutadiene	ND		80	8.9	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
Hexachlorocyclopentadiene	ND		390	43	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
Hexachloroethane	ND		390	29	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
Indeno[1,2,3-cd]pyrene	**53**	**J**	80	8.2	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
Isophorone	ND		390	30	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10

Client Sample ID: CB-4 0-2'
Date Collected: 08/08/16 12:20
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-5
Matrix: Solid
Percent Solids: 83.5

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		80	6.8	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
Nitrobenzene	ND		790	33	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
N-Nitrosodiphenylamine	ND		390	37	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
N-Nitrosodi-n-propylamine	ND		80	9.3	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
Pentachlorophenol	ND		390	35	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
Phenanthrene	**23**	**J**	80	13	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
Phenol	ND		80	9.4	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
Pyrene	**78**	**J**	80	8.0	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
3,3'-Dichlorobenzidine	ND		390	42	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10
3-Nitroaniline	ND		2000	160	ug/Kg	☼	08/11/16 03:00	08/11/16 14:23	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*49*		*20 - 134*	*08/11/16 03:00*	*08/11/16 14:23*	*10*
2-Fluorobiphenyl	*58*		*42 - 100*	*08/11/16 03:00*	*08/11/16 14:23*	*10*
2-Fluorophenol (Surr)	*44*		*21 - 107*	*08/11/16 03:00*	*08/11/16 14:23*	*10*
Nitrobenzene-d5 (Surr)	*54*		*35 - 109*	*08/11/16 03:00*	*08/11/16 14:23*	*10*
Phenol-d5 (Surr)	*43*		*29 - 105*	*08/11/16 03:00*	*08/11/16 14:23*	*10*
Terphenyl-d14 (Surr)	*62*		*36 - 113*	*08/11/16 03:00*	*08/11/16 14:23*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.60	0.20	mg/Kg	☼	08/10/16 07:17	08/12/16 11:57	1
Arsenic	**16**		1.2	0.53	mg/Kg	☼	08/10/16 07:17	08/12/16 11:57	1
Antimony	ND		1.2	0.42	mg/Kg	☼	08/10/16 07:17	08/12/16 11:57	1
Beryllium	**0.63**		0.48	0.13	mg/Kg	☼	08/10/16 07:17	08/12/16 11:57	1
Cadmium	**0.70**		0.60	0.13	mg/Kg	☼	08/10/16 07:17	08/12/16 11:57	1
Chromium	**16**		0.60	0.16	mg/Kg	☼	08/10/16 07:17	08/12/16 11:57	1
Copper	**20**		3.0	0.92	mg/Kg	☼	08/10/16 07:17	08/12/16 11:57	1
Lead	**20**		1.2	0.39	mg/Kg	☼	08/10/16 07:17	08/12/16 11:57	1
Nickel	**19**		4.8	0.20	mg/Kg	☼	08/10/16 07:17	08/12/16 11:57	1
Selenium	ND		1.2	0.47	mg/Kg	☼	08/10/16 07:17	08/12/16 11:57	1
Thallium	ND		2.4	0.60	mg/Kg	☼	08/10/16 07:17	08/12/16 11:57	1
Zinc	**47**		2.4	1.2	mg/Kg	☼	08/10/16 07:17	08/12/16 11:57	1
Vanadium	**23**		6.0	1.9	mg/Kg	☼	08/10/16 07:17	08/12/16 11:57	1
Cobalt	**22**		6.0	1.3	mg/Kg	☼	08/10/16 07:17	08/12/16 11:57	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.060**		0.038	0.0084	mg/Kg	☼	08/10/16 08:10	08/10/16 11:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**16.5**		0.1	0.1	%			08/10/16 18:28	1
Percent Solids	**83.5**		0.1	0.1	%			08/10/16 18:28	1

Client: Chester Engineers, Inc.
Project/Site: Lexington Tech Park

TestAmerica Job ID: 180-57326-1

Client Sample ID: CB-4 4-8'
Date Collected: 08/08/16 12:25
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-6
Matrix: Solid
Percent Solids: 89.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	0.86	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
1,1,2,2-Tetrachloroethane	ND		4.0	3.2	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.1	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
1,1,2-Trichloroethane	ND		4.0	2.2	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
1,1-Dichloroethane	ND		4.0	0.90	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
1,1-Dichloroethene	ND		4.0	1.2	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
1,2-Dibromo-3-Chloropropane	ND		4.0	3.6	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
1,2-Dichlorobenzene	ND		4.0	2.6	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
1,2-Dichloroethane	ND		4.0	0.89	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
1,2-Dichloropropane	ND		4.0	1.5	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
1,2,4-Trichlorobenzene	ND		4.0	3.3	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
1,3-Dichlorobenzene	ND		4.0	2.4	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
1,4-Dichlorobenzene	ND		4.0	2.4	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
2-Butanone (MEK)	ND		4.0	2.4	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
2-Hexanone	ND		4.0	3.2	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
4-Methyl-2-pentanone (MIBK)	ND		4.0	2.8	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
Acetone	ND		16	8.2	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
Benzene	ND		4.0	2.4	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
Bromoform	ND		4.0	3.6	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
Bromomethane	ND		4.0	1.4	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
Carbon disulfide	ND		4.0	1.7	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
Carbon tetrachloride	ND		4.0	1.1	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
Chlorobenzene	ND		4.0	1.8	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
Chlorodibromomethane	ND		4.0	2.0	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
Chloroform	ND		4.0	1.0	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
Chloromethane	ND		4.0	2.1	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
Chloroethane	ND	*	4.0	1.7	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
cis-1,2-Dichloroethene	ND		4.0	1.1	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
cis-1,3-Dichloropropene	ND		4.0	1.7	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
Dichlorobromomethane	ND		4.0	1.6	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
Dichlorodifluoromethane	ND		4.0	2.3	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
Ethylbenzene	ND		4.0	1.6	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
1,2-Dibromoethane	ND		4.0	1.7	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
Cyclohexane	ND		4.0	1.2	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
Isopropylbenzene	ND		4.0	2.7	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
Methyl acetate	ND		20	11	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
Methyl tert-butyl ether	ND		4.0	2.0	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
Methylcyclohexane	ND		4.0	1.4	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
Methylene Chloride	**2.5**	**J B**	4.0	0.44	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
Styrene	ND		4.0	1.9	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
Tetrachloroethene	ND		4.0	0.99	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
Toluene	ND		4.0	2.9	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
trans-1,2-Dichloroethene	ND		4.0	0.82	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
trans-1,3-Dichloropropene	ND		4.0	1.9	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
Trichloroethene	ND		4.0	0.90	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
Trichlorofluoromethane	ND		4.0	2.4	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
Vinyl chloride	ND		4.0	2.0	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1
Xylenes, Total	ND		8.0	3.6	ug/Kg	☼	08/15/16 05:30	08/15/16 09:11	1

Client Sample ID: CB-4 4-8'
Date Collected: 08/08/16 12:25
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-6
Matrix: Solid
Percent Solids: 89.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		52 - 124	08/15/16 05:30	08/15/16 09:11	1
4-Bromofluorobenzene (Surr)	91		63 - 120	08/15/16 05:30	08/15/16 09:11	1
Dibromofluoromethane (Surr)	91		68 - 121	08/15/16 05:30	08/15/16 09:11	1
Toluene-d8 (Surr)	94		72 - 127	08/15/16 05:30	08/15/16 09:11	1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		7.4	0.71	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
Acenaphthylene	ND		7.4	0.85	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
Anthracene	ND		7.4	0.72	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
Benzo[a]anthracene	**7.4**		7.4	0.93	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
Benzo[b]fluoranthene	**19**		7.4	1.2	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
Benzo[k]fluoranthene	**5.4**	**J**	7.4	1.5	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
Benzo[g,h,i]perylene	**12**		7.4	0.74	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
Benzo[a]pyrene	**10**		7.4	0.74	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
Bis(2-chloroethoxy)methane	ND		37	2.4	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
Bis(2-chloroethyl)ether	ND		7.4	0.99	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
Bis(2-ethylhexyl) phthalate	ND		74	6.0	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
Butyl benzyl phthalate	**5.6**	**J**	37	5.1	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
4-Bromophenyl phenyl ether	ND		37	3.2	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
4-Chloroaniline	ND		37	3.0	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
4-Chloro-3-methylphenol	ND		37	3.4	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
4-Chlorophenyl phenyl ether	ND		37	4.1	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
4,6-Dinitro-2-methylphenol	ND		190	15	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
Methylphenol, 3 & 4	ND		37	3.6	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
4-Nitroaniline	ND		190	15	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
4-Nitrophenol	ND		190	13	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
Carbazole	ND		7.4	0.68	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
Chrysene	**13**		7.4	0.88	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
2-Chloronaphthalene	ND		7.4	0.77	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
2-Chlorophenol	ND		37	3.0	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
2,4-Dichlorophenol	ND		7.4	0.74	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
2,4-Dimethylphenol	ND		37	5.8	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
2,4-Dinitrophenol	ND		190	44	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
2,4-Dinitrotoluene	ND		37	3.0	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
2,6-Dinitrotoluene	ND		37	3.8	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
2-Methylnaphthalene	ND		7.4	0.66	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
2-Methylphenol	ND		37	2.6	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
2-Nitroaniline	ND		190	17	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
2-Nitrophenol	ND		37	4.1	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
2,2'-oxybis[1-chloropropane]	ND		7.4	0.80	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
2,4,6-Trichlorophenol	ND		37	5.5	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
2,4,5-Trichlorophenol	ND		37	3.9	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
Dibenz(a,h)anthracene	**2.3**	**J**	7.4	0.82	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
Dibenzofuran	ND		37	3.6	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
Di-n-butyl phthalate	ND		37	4.6	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
Diethyl phthalate	ND		37	4.0	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
Dimethyl phthalate	ND		37	4.0	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
Di-n-octyl phthalate	ND		37	3.9	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
1,2-Dichlorobenzene	ND		37	3.9	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1

Client Sample ID: CB-4 4-8'
Date Collected: 08/08/16 12:25
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-6
Matrix: Solid
Percent Solids: 89.0

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		37	2.9	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
1,4-Dichlorobenzene	ND		37	2.6	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
1,2,4-Trichlorobenzene	ND		37	2.0	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
Fluoranthene	**28**		7.4	0.79	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
Fluorene	ND		7.4	0.97	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
Hexachlorobenzene	ND		7.4	0.79	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
Hexachlorobutadiene	ND		7.4	0.83	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
Hexachlorocyclopentadiene	ND		37	4.0	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
Hexachloroethane	ND		37	2.7	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
Indeno[1,2,3-cd]pyrene	**9.6**		7.4	0.76	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
Isophorone	ND		37	2.8	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
Naphthalene	ND		7.4	0.64	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
Nitrobenzene	ND		74	3.1	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
N-Nitrosodiphenylamine	ND		37	3.4	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
N-Nitrosodi-n-propylamine	ND		7.4	0.87	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
Pentachlorophenol	ND		37	3.3	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
Phenanthrene	ND		7.4	1.2	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
Phenol	ND		7.4	0.87	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
Pyrene	**24**		7.4	0.75	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
3,3'-Dichlorobenzidine	ND		37	3.9	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1
3-Nitroaniline	ND		190	15	ug/Kg	☼	08/11/16 03:00	08/11/16 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*66*		*20 - 134*	*08/11/16 03:00*	*08/11/16 14:52*	*1*
2-Fluorobiphenyl	*62*		*42 - 100*	*08/11/16 03:00*	*08/11/16 14:52*	*1*
2-Fluorophenol (Surr)	*57*		*21 - 107*	*08/11/16 03:00*	*08/11/16 14:52*	*1*
Nitrobenzene-d5 (Surr)	*64*		*35 - 109*	*08/11/16 03:00*	*08/11/16 14:52*	*1*
Phenol-d5 (Surr)	*53*		*29 - 105*	*08/11/16 03:00*	*08/11/16 14:52*	*1*
Terphenyl-d14 (Surr)	*72*		*36 - 113*	*08/11/16 03:00*	*08/11/16 14:52*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.50	0.17	mg/Kg	☼	08/10/16 07:17	08/12/16 12:02	1
Arsenic	**12**		1.0	0.44	mg/Kg	☼	08/10/16 07:17	08/12/16 12:02	1
Antimony	ND		1.0	0.36	mg/Kg	☼	08/10/16 07:17	08/12/16 12:02	1
Beryllium	**0.55**		0.40	0.10	mg/Kg	☼	08/10/16 07:17	08/12/16 12:02	1
Cadmium	**0.50**		0.50	0.11	mg/Kg	☼	08/10/16 07:17	08/12/16 12:02	1
Chromium	**11**		0.50	0.13	mg/Kg	☼	08/10/16 07:17	08/12/16 12:02	1
Copper	**13**		2.5	0.77	mg/Kg	☼	08/10/16 07:17	08/12/16 12:02	1
Lead	**8.8**		1.0	0.33	mg/Kg	☼	08/10/16 07:17	08/12/16 12:02	1
Nickel	**15**		4.0	0.17	mg/Kg	☼	08/10/16 07:17	08/12/16 12:02	1
Selenium	ND		1.0	0.40	mg/Kg	☼	08/10/16 07:17	08/12/16 12:02	1
Thallium	ND		2.0	0.50	mg/Kg	☼	08/10/16 07:17	08/12/16 12:02	1
Zinc	**37**		2.0	1.0	mg/Kg	☼	08/10/16 07:17	08/12/16 12:02	1
Vanadium	**17**		5.0	1.6	mg/Kg	☼	08/10/16 07:17	08/12/16 12:02	1
Cobalt	**11**		5.0	1.1	mg/Kg	☼	08/10/16 07:17	08/12/16 12:02	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.022**	**J**	0.032	0.0071	mg/Kg	☼	08/10/16 08:10	08/10/16 11:16	1

Client Sample ID: CB-4 4-8'

Lab Sample ID: 180-57326-6
Date Collected: 08/08/16 12:25
Matrix: Solid
Date Received: 08/09/16 08:45
Percent Solids: 89.0

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11.0		0.1	0.1	%			08/10/16 19:37	1
Percent Solids	89.0		0.1	0.1	%			08/10/16 19:37	1

Client Sample ID: CB-5 4-6'

Lab Sample ID: 180-57326-7
Date Collected: 08/08/16 13:20
Matrix: Solid
Date Received: 08/09/16 08:45
Percent Solids: 84.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.9	1.3	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
1,1,2,2-Tetrachloroethane	ND		5.9	4.7	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.9	1.6	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
1,1,2-Trichloroethane	ND		5.9	3.3	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
1,1-Dichloroethane	ND		5.9	1.3	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
1,1-Dichloroethene	ND		5.9	1.7	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
1,2-Dibromo-3-Chloropropane	ND		5.9	5.4	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
1,2-Dichlorobenzene	ND		5.9	3.9	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
1,2-Dichloroethane	ND		5.9	1.3	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
1,2-Dichloropropane	ND		5.9	2.2	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
1,2,4-Trichlorobenzene	ND		5.9	4.8	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
1,3-Dichlorobenzene	ND		5.9	3.5	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
1,4-Dichlorobenzene	ND		5.9	3.5	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
2-Butanone (MEK)	ND		5.9	3.5	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
2-Hexanone	ND		5.9	4.8	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.9	4.2	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
Acetone	ND		24	12	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
Benzene	ND		5.9	3.6	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
Bromoform	ND		5.9	5.4	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
Bromomethane	ND		5.9	2.0	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
Carbon disulfide	ND		5.9	2.5	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
Carbon tetrachloride	ND		5.9	1.6	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
Chlorobenzene	ND		5.9	2.6	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
Chlorodibromomethane	ND		5.9	2.9	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
Chloroform	ND		5.9	1.5	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
Chloromethane	ND		5.9	3.1	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
Chloroethane	ND		5.9	2.5	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
cis-1,2-Dichloroethene	ND		5.9	1.6	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
cis-1,3-Dichloropropene	ND		5.9	2.6	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
Dichlorobromomethane	ND		5.9	2.4	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
Dichlorodifluoromethane	ND		5.9	3.5	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
Ethylbenzene	ND		5.9	2.4	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
1,2-Dibromoethane	ND		5.9	2.5	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
Cyclohexane	ND		5.9	1.8	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
Isopropylbenzene	ND		5.9	4.1	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
Methyl acetate	ND		30	16	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
Methyl tert-butyl ether	ND		5.9	3.0	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
Methylcyclohexane	ND		5.9	2.1	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
Methylene Chloride	1.3	J B	5.9	0.66	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
Styrene	ND		5.9	2.8	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
Tetrachloroethene	ND		5.9	1.5	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1

Client Sample ID: CB-5 4-6'
Date Collected: 08/08/16 13:20
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-7
Matrix: Solid
Percent Solids: 84.3

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		5.9	4.3	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
trans-1,2-Dichloroethene	ND		5.9	1.2	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
trans-1,3-Dichloropropene	ND		5.9	2.9	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
Trichloroethene	ND		5.9	1.3	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
Trichlorofluoromethane	ND		5.9	3.5	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
Vinyl chloride	ND		5.9	3.0	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1
Xylenes, Total	ND		12	5.4	ug/Kg	☼	08/14/16 14:30	08/14/16 23:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*52 - 124*	*08/14/16 14:30*	*08/14/16 23:26*	*1*
4-Bromofluorobenzene (Surr)	*89*		*63 - 120*	*08/14/16 14:30*	*08/14/16 23:26*	*1*
Dibromofluoromethane (Surr)	*91*		*68 - 121*	*08/14/16 14:30*	*08/14/16 23:26*	*1*
Toluene-d8 (Surr)	*96*		*72 - 127*	*08/14/16 14:30*	*08/14/16 23:26*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		7.9	0.76	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
Acenaphthylene	ND		7.9	0.91	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
Anthracene	ND		7.9	0.77	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
Benzo[a]anthracene	ND		7.9	0.99	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
Benzo[b]fluoranthene	ND		7.9	1.2	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
Benzo[k]fluoranthene	ND		7.9	1.6	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
Benzo[g,h,i]perylene	ND		7.9	0.79	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
Benzo[a]pyrene	ND		7.9	0.79	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
Bis(2-chloroethoxy)methane	ND		39	2.6	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
Bis(2-chloroethyl)ether	ND		7.9	1.1	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
Bis(2-ethylhexyl) phthalate	ND		79	6.4	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
Butyl benzyl phthalate	ND		39	5.4	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
4-Bromophenyl phenyl ether	ND		39	3.4	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
4-Chloroaniline	ND		39	3.2	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
4-Chloro-3-methylphenol	ND		39	3.6	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
4-Chlorophenyl phenyl ether	ND		39	4.4	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
4,6-Dinitro-2-methylphenol	ND		200	16	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
Methylphenol, 3 & 4	ND		39	3.9	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
4-Nitroaniline	ND		200	16	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
4-Nitrophenol	ND		200	14	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
Carbazole	ND		7.9	0.73	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
Chrysene	ND		7.9	0.94	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
2-Chloronaphthalene	ND		7.9	0.83	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
2-Chlorophenol	ND		39	3.2	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
2,4-Dichlorophenol	ND		7.9	0.79	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
2,4-Dimethylphenol	ND		39	6.2	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
2,4-Dinitrophenol	ND		200	47	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
2,4-Dinitrotoluene	ND		39	3.2	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
2,6-Dinitrotoluene	ND		39	4.1	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
2-Methylnaphthalene	ND		7.9	0.71	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
2-Methylphenol	ND		39	2.8	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
2-Nitroaniline	ND		200	18	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
2-Nitrophenol	ND		39	4.4	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
2,2'-oxybis[1-chloropropane]	ND		7.9	0.85	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1

Client Sample ID: CB-5 4-6'
Date Collected: 08/08/16 13:20
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-7
Matrix: Solid
Percent Solids: 84.3

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		39	5.9	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
2,4,5-Trichlorophenol	ND		39	4.2	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
Dibenz(a,h)anthracene	ND		7.9	0.88	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
Dibenzofuran	ND		39	3.9	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
Di-n-butyl phthalate	ND		39	5.0	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
Diethyl phthalate	ND		39	4.3	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
Dimethyl phthalate	ND		39	4.3	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
Di-n-octyl phthalate	ND		39	4.2	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
1,2-Dichlorobenzene	ND		39	4.1	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
1,3-Dichlorobenzene	ND		39	3.1	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
1,4-Dichlorobenzene	ND		39	2.8	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
1,2,4-Trichlorobenzene	ND		39	2.2	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
Fluoranthene	ND		7.9	0.85	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
Fluorene	ND		7.9	1.0	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
Hexachlorobenzene	ND		7.9	0.84	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
Hexachlorobutadiene	ND		7.9	0.89	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
Hexachlorocyclopentadiene	ND		39	4.3	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
Hexachloroethane	ND		39	2.8	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
Indeno[1,2,3-cd]pyrene	ND		7.9	0.82	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
Isophorone	ND		39	3.0	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
Naphthalene	ND		7.9	0.68	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
Nitrobenzene	ND		79	3.3	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
N-Nitrosodiphenylamine	ND		39	3.7	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
N-Nitrosodi-n-propylamine	ND		7.9	0.93	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
Pentachlorophenol	ND		39	3.5	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
Phenanthrene	ND		7.9	1.3	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
Phenol	ND		7.9	0.93	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
Pyrene	ND		7.9	0.80	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
3,3'-Dichlorobenzidine	ND		39	4.2	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1
3-Nitroaniline	ND		200	16	ug/Kg	☼	08/11/16 03:00	08/11/16 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*56*		*20 - 134*	*08/11/16 03:00*	*08/11/16 15:21*	*1*
2-Fluorobiphenyl	*57*		*42 - 100*	*08/11/16 03:00*	*08/11/16 15:21*	*1*
2-Fluorophenol (Surr)	*50*		*21 - 107*	*08/11/16 03:00*	*08/11/16 15:21*	*1*
Nitrobenzene-d5 (Surr)	*60*		*35 - 109*	*08/11/16 03:00*	*08/11/16 15:21*	*1*
Phenol-d5 (Surr)	*49*		*29 - 105*	*08/11/16 03:00*	*08/11/16 15:21*	*1*
Terphenyl-d14 (Surr)	*64*		*36 - 113*	*08/11/16 03:00*	*08/11/16 15:21*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.51	0.17	mg/Kg	☼	08/10/16 07:17	08/12/16 12:07	1
Arsenic	**10**	**^**	1.0	0.45	mg/Kg	☼	08/10/16 07:17	08/12/16 12:07	1
Antimony	ND		1.0	0.36	mg/Kg	☼	08/10/16 07:17	08/12/16 12:07	1
Beryllium	**0.78**		0.41	0.11	mg/Kg	☼	08/10/16 07:17	08/12/16 12:07	1
Cadmium	**0.60**		0.51	0.11	mg/Kg	☼	08/10/16 07:17	08/12/16 12:07	1
Chromium	**15**		0.51	0.13	mg/Kg	☼	08/10/16 07:17	08/12/16 12:07	1
Copper	**15**		2.5	0.78	mg/Kg	☼	08/10/16 07:17	08/12/16 12:07	1
Lead	**14**		1.0	0.33	mg/Kg	☼	08/10/16 07:17	08/12/16 12:07	1
Nickel	**20**		4.1	0.17	mg/Kg	☼	08/10/16 07:17	08/12/16 12:07	1

Client Sample ID: CB-5 4-6'

Lab Sample ID: 180-57326-7
Date Collected: 08/08/16 13:20
Matrix: Solid
Date Received: 08/09/16 08:45
Percent Solids: 84.3

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		1.0	0.40	mg/Kg	☼	08/10/16 07:17	08/12/16 12:07	1
Thallium	ND		2.0	0.51	mg/Kg	☼	08/10/16 07:17	08/12/16 12:07	1
Zinc	**43**		2.0	1.0	mg/Kg	☼	08/10/16 07:17	08/12/16 12:07	1
Vanadium	**23**		5.1	1.6	mg/Kg	☼	08/10/16 07:17	08/12/16 12:07	1
Cobalt	**8.4**		5.1	1.1	mg/Kg	☼	08/10/16 07:17	08/12/16 12:07	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.030**	**J**	0.035	0.0077	mg/Kg	☼	08/10/16 08:10	08/10/16 11:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15.7**		0.1	0.1	%			08/10/16 20:47	1
Percent Solids	**84.3**		0.1	0.1	%			08/10/16 20:47	1

Client Sample ID: CB-5 10-11.5

Lab Sample ID: 180-57326-8
Date Collected: 08/08/16 13:30
Matrix: Solid
Date Received: 08/09/16 08:45
Percent Solids: 85.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.7	1.2	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
1,1,2,2-Tetrachloroethane	ND		5.7	4.5	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	1.6	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
1,1,2-Trichloroethane	ND		5.7	3.2	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
1,1-Dichloroethane	ND		5.7	1.3	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
1,1-Dichloroethene	ND		5.7	1.6	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
1,2-Dibromo-3-Chloropropane	ND		5.7	5.1	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
1,2-Dichlorobenzene	ND		5.7	3.7	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
1,2-Dichloroethane	ND		5.7	1.3	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
1,2-Dichloropropane	ND		5.7	2.1	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
1,2,4-Trichlorobenzene	ND		5.7	4.6	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
1,3-Dichlorobenzene	ND		5.7	3.4	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
1,4-Dichlorobenzene	ND		5.7	3.4	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
2-Butanone (MEK)	ND		5.7	3.4	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
2-Hexanone	ND		5.7	4.6	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.7	4.1	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
Acetone	ND		23	12	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
Benzene	ND		5.7	3.4	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
Bromoform	ND		5.7	5.2	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
Bromomethane	ND		5.7	2.0	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
Carbon disulfide	ND		5.7	2.4	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
Carbon tetrachloride	ND		5.7	1.5	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
Chlorobenzene	ND		5.7	2.5	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
Chlorodibromomethane	ND		5.7	2.8	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
Chloroform	ND		5.7	1.4	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
Chloromethane	ND		5.7	3.0	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
Chloroethane	ND		5.7	2.4	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
cis-1,2-Dichloroethene	ND		5.7	1.5	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
cis-1,3-Dichloropropene	ND		5.7	2.5	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1

Client Sample ID: CB-5 10-11.5
Date Collected: 08/08/16 13:30
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-8
Matrix: Solid
Percent Solids: 85.8

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		5.7	2.3	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
Dichlorodifluoromethane	ND		5.7	3.3	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
Ethylbenzene	ND		5.7	2.3	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
1,2-Dibromoethane	ND		5.7	2.4	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
Cyclohexane	ND		5.7	1.7	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
Isopropylbenzene	ND		5.7	3.9	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
Methyl acetate	ND		28	15	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
Methyl tert-butyl ether	ND		5.7	2.8	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
Methylcyclohexane	ND		5.7	2.1	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
Methylene Chloride	**1.7**	**J B**	5.7	0.63	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
Styrene	ND		5.7	2.7	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
Tetrachloroethene	ND		5.7	1.4	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
Toluene	ND		5.7	4.1	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
trans-1,2-Dichloroethene	ND		5.7	1.2	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
trans-1,3-Dichloropropene	ND		5.7	2.7	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
Trichloroethene	ND		5.7	1.3	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
Trichlorofluoromethane	ND		5.7	3.4	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
Vinyl chloride	ND		5.7	2.9	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1
Xylenes, Total	ND		11	5.2	ug/Kg	☼	08/14/16 14:30	08/14/16 23:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*83*		*52 - 124*	*08/14/16 14:30*	*08/14/16 23:49*	*1*
4-Bromofluorobenzene (Surr)	*87*		*63 - 120*	*08/14/16 14:30*	*08/14/16 23:49*	*1*
Dibromofluoromethane (Surr)	*88*		*68 - 121*	*08/14/16 14:30*	*08/14/16 23:49*	*1*
Toluene-d8 (Surr)	*98*		*72 - 127*	*08/14/16 14:30*	*08/14/16 23:49*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		7.8	0.74	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
Acenaphthylene	ND		7.8	0.88	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
Anthracene	ND		7.8	0.76	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
Benzo[a]anthracene	ND		7.8	0.97	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
Benzo[b]fluoranthene	ND		7.8	1.2	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
Benzo[k]fluoranthene	ND		7.8	1.6	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
Benzo[g,h,i]perylene	ND		7.8	0.77	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
Benzo[a]pyrene	ND		7.8	0.77	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
Bis(2-chloroethoxy)methane	ND		38	2.5	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
Bis(2-chloroethyl)ether	ND		7.8	1.0	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
Bis(2-ethylhexyl) phthalate	ND		77	6.2	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
Butyl benzyl phthalate	ND		38	5.3	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
4-Bromophenyl phenyl ether	ND		38	3.4	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
4-Chloroaniline	ND		38	3.1	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
4-Chloro-3-methylphenol	ND		38	3.6	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
4-Chlorophenyl phenyl ether	ND		38	4.3	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
4,6-Dinitro-2-methylphenol	ND		200	16	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
Methylphenol, 3 & 4	ND		38	3.8	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
4-Nitroaniline	ND		200	16	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
4-Nitrophenol	ND		200	14	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
Carbazole	ND		7.8	0.71	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
Chrysene	ND		7.8	0.92	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1

Client Sample ID: CB-5 10-11.5
Date Collected: 08/08/16 13:30
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-8
Matrix: Solid
Percent Solids: 85.8

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		7.8	0.81	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
2-Chlorophenol	ND		38	3.2	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
2,4-Dichlorophenol	ND		7.8	0.77	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
2,4-Dimethylphenol	ND		38	6.0	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
2,4-Dinitrophenol	ND		200	46	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
2,4-Dinitrotoluene	ND		38	3.1	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
2,6-Dinitrotoluene	ND		38	4.0	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
2-Methylnaphthalene	ND		7.8	0.69	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
2-Methylphenol	ND		38	2.7	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
2-Nitroaniline	ND		200	17	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
2-Nitrophenol	ND		38	4.3	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
2,2'-oxybis[1-chloropropane]	ND		7.8	0.83	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
2,4,6-Trichlorophenol	ND		38	5.8	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
2,4,5-Trichlorophenol	ND		38	4.1	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
Dibenz(a,h)anthracene	ND		7.8	0.86	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
Dibenzofuran	ND		38	3.8	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
Di-n-butyl phthalate	ND		38	4.8	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
Diethyl phthalate	ND		38	4.2	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
Dimethyl phthalate	ND		38	4.2	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
Di-n-octyl phthalate	ND		38	4.1	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
1,2-Dichlorobenzene	ND		38	4.0	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
1,3-Dichlorobenzene	ND		38	3.0	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
1,4-Dichlorobenzene	ND		38	2.8	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
1,2,4-Trichlorobenzene	ND		38	2.1	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
Fluoranthene	ND		7.8	0.83	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
Fluorene	ND		7.8	1.0	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
Hexachlorobenzene	ND		7.8	0.82	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
Hexachlorobutadiene	ND		7.8	0.86	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
Hexachlorocyclopentadiene	ND		38	4.2	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
Hexachloroethane	ND		38	2.8	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
Indeno[1,2,3-cd]pyrene	ND		7.8	0.80	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
Isophorone	ND		38	2.9	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
Naphthalene	ND		7.8	0.67	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
Nitrobenzene	ND		77	3.2	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
N-Nitrosodiphenylamine	ND		38	3.6	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
N-Nitrosodi-n-propylamine	ND		7.8	0.91	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
Pentachlorophenol	ND		38	3.5	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
Phenanthrene	ND		7.8	1.2	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
Phenol	ND		7.8	0.91	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
Pyrene	ND		7.8	0.78	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
3,3'-Dichlorobenzidine	ND		38	4.1	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1
3-Nitroaniline	ND		200	16	ug/Kg	☼	08/11/16 03:00	08/11/16 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*57*		*20 - 134*	*08/11/16 03:00*	*08/11/16 15:50*	*1*
2-Fluorobiphenyl	*56*		*42 - 100*	*08/11/16 03:00*	*08/11/16 15:50*	*1*
2-Fluorophenol (Surr)	*47*		*21 - 107*	*08/11/16 03:00*	*08/11/16 15:50*	*1*
Nitrobenzene-d5 (Surr)	*57*		*35 - 109*	*08/11/16 03:00*	*08/11/16 15:50*	*1*
Phenol-d5 (Surr)	*46*		*29 - 105*	*08/11/16 03:00*	*08/11/16 15:50*	*1*
Terphenyl-d14 (Surr)	*68*		*36 - 113*	*08/11/16 03:00*	*08/11/16 15:50*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.56	0.19	mg/Kg	☼	08/10/16 07:17	08/12/16 12:12	1
Arsenic	**8.7**		1.1	0.49	mg/Kg	☼	08/10/16 07:17	08/12/16 12:12	1
Antimony	ND		1.1	0.40	mg/Kg	☼	08/10/16 07:17	08/12/16 12:12	1
Beryllium	**0.57**		0.45	0.12	mg/Kg	☼	08/10/16 07:17	08/12/16 12:12	1
Cadmium	**0.42**	**J**	0.56	0.13	mg/Kg	☼	08/10/16 07:17	08/12/16 12:12	1
Chromium	**12**		0.56	0.15	mg/Kg	☼	08/10/16 07:17	08/12/16 12:12	1
Copper	**9.1**		2.8	0.86	mg/Kg	☼	08/10/16 07:17	08/12/16 12:12	1
Lead	**7.0**		1.1	0.37	mg/Kg	☼	08/10/16 07:17	08/12/16 12:12	1
Nickel	**9.8**		4.5	0.19	mg/Kg	☼	08/10/16 07:17	08/12/16 12:12	1
Selenium	ND		1.1	0.44	mg/Kg	☼	08/10/16 07:17	08/12/16 12:12	1
Thallium	ND		2.2	0.56	mg/Kg	☼	08/10/16 07:17	08/12/16 12:12	1
Zinc	**24**		2.2	1.1	mg/Kg	☼	08/10/16 07:17	08/12/16 12:12	1
Vanadium	**16**		5.6	1.7	mg/Kg	☼	08/10/16 07:17	08/12/16 12:12	1
Cobalt	**6.9**		5.6	1.3	mg/Kg	☼	08/10/16 07:17	08/12/16 12:12	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.033**		0.031	0.0070	mg/Kg	☼	08/10/16 08:10	08/10/16 11:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.2**		0.1	0.1	%			08/10/16 21:56	1
Percent Solids	**85.8**		0.1	0.1	%			08/10/16 21:56	1

Client Sample ID: CB-6 0-2'

Date Collected: 08/08/16 15:10
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-9

Matrix: Solid
Percent Solids: 91.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.1	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
1,1,2,2-Tetrachloroethane	ND		5.0	4.0	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.4	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
1,1,2-Trichloroethane	ND		5.0	2.8	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
1,1-Dichloroethane	ND		5.0	1.1	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
1,1-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
1,2-Dibromo-3-Chloropropane	ND		5.0	4.5	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
1,2-Dichlorobenzene	ND		5.0	3.3	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
1,2-Dichloroethane	ND		5.0	1.1	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
1,2-Dichloropropane	ND		5.0	1.9	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
1,2,4-Trichlorobenzene	ND		5.0	4.1	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
1,3-Dichlorobenzene	ND		5.0	3.0	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
1,4-Dichlorobenzene	ND		5.0	3.0	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
2-Butanone (MEK)	ND		5.0	3.0	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
2-Hexanone	ND		5.0	4.1	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	3.6	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
Acetone	ND		20	10	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
Benzene	ND		5.0	3.0	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
Bromoform	ND		5.0	4.6	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
Bromomethane	ND		5.0	1.7	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
Carbon disulfide	ND		5.0	2.1	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
Carbon tetrachloride	ND		5.0	1.4	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
Chlorobenzene	ND		5.0	2.2	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1

Client Sample ID: CB-6 0-2'
Date Collected: 08/08/16 15:10
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-9
Matrix: Solid
Percent Solids: 91.8

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		5.0	1.3	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
Chloromethane	ND		5.0	2.6	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
Chloroethane	ND		5.0	2.1	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
cis-1,2-Dichloroethene	ND		5.0	1.3	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
Dichlorobromomethane	ND		5.0	2.0	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
Dichlorodifluoromethane	ND		5.0	2.9	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
Ethylbenzene	ND		5.0	2.0	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
1,2-Dibromoethane	ND		5.0	2.1	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
Cyclohexane	ND		5.0	1.5	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
Isopropylbenzene	ND		5.0	3.4	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
Methyl acetate	ND		25	13	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
Methyl tert-butyl ether	ND		5.0	2.5	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
Methylcyclohexane	ND		5.0	1.8	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
Methylene Chloride	**1.3**	**J B**	5.0	0.56	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
Styrene	ND		5.0	2.3	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
Tetrachloroethene	ND		5.0	1.2	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
Toluene	ND		5.0	3.6	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
trans-1,2-Dichloroethene	ND		5.0	1.0	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
trans-1,3-Dichloropropene	ND		5.0	2.4	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
Trichloroethene	ND		5.0	1.1	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
Trichlorofluoromethane	ND		5.0	3.0	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
Vinyl chloride	ND		5.0	2.6	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1
Xylenes, Total	ND		10	4.6	ug/Kg	☼	08/14/16 14:30	08/15/16 00:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*52 - 124*	*08/14/16 14:30*	*08/15/16 00:11*	*1*
4-Bromofluorobenzene (Surr)	*82*		*63 - 120*	*08/14/16 14:30*	*08/15/16 00:11*	*1*
Dibromofluoromethane (Surr)	*92*		*68 - 121*	*08/14/16 14:30*	*08/15/16 00:11*	*1*
Toluene-d8 (Surr)	*104*		*72 - 127*	*08/14/16 14:30*	*08/15/16 00:11*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**1.6**	**J**	7.3	0.69	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
Acenaphthylene	**5.7**	**J**	7.3	0.83	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
Anthracene	**5.6**	**J**	7.3	0.71	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
Benzo[a]anthracene	**33**		7.3	0.90	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
Benzo[b]fluoranthene	**63**		7.3	1.1	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
Benzo[k]fluoranthene	**21**		7.3	1.5	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
Benzo[g,h,i]perylene	**51**		7.3	0.72	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
Benzo[a]pyrene	**49**		7.3	0.72	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
Bis(2-chloroethoxy)methane	ND		36	2.4	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
Bis(2-chloroethyl)ether	ND		7.3	0.97	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
Bis(2-ethylhexyl) phthalate	**10**	**J**	72	5.8	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
Butyl benzyl phthalate	**7.3**	**J**	36	4.9	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
4-Bromophenyl phenyl ether	ND		36	3.1	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
4-Chloroaniline	ND		36	2.9	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
4-Chloro-3-methylphenol	ND		36	3.3	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
4-Chlorophenyl phenyl ether	ND		36	4.0	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
4,6-Dinitro-2-methylphenol	ND		180	15	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1

Client Sample ID: CB-6 0-2'
Date Collected: 08/08/16 15:10
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-9
Matrix: Solid
Percent Solids: 91.8

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		36	3.5	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
4-Nitroaniline	ND		180	15	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
4-Nitrophenol	ND		180	13	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
Carbazole	**3.2**	**J**	7.3	0.67	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
Chrysene	**40**		7.3	0.86	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
2-Chloronaphthalene	ND		7.3	0.75	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
2-Chlorophenol	ND		36	3.0	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
2,4-Dichlorophenol	ND		7.3	0.72	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
2,4-Dimethylphenol	ND		36	5.6	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
2,4-Dinitrophenol	ND		180	43	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
2,4-Dinitrotoluene	ND		36	2.9	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
2,6-Dinitrotoluene	ND		36	3.7	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
2-Methylnaphthalene	**11**		7.3	0.65	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
2-Methylphenol	ND		36	2.5	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
2-Nitroaniline	ND		180	16	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
2-Nitrophenol	ND		36	4.0	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
2,2'-oxybis[1-chloropropane]	ND		7.3	0.78	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
2,4,6-Trichlorophenol	ND		36	5.4	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
2,4,5-Trichlorophenol	ND		36	3.9	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
Dibenz(a,h)anthracene	**9.9**		7.3	0.80	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
Dibenzofuran	**4.3**	**J**	36	3.6	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
Di-n-butyl phthalate	ND		36	4.5	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
Diethyl phthalate	ND		36	3.9	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
Dimethyl phthalate	ND		36	3.9	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
Di-n-octyl phthalate	ND		36	3.8	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
1,2-Dichlorobenzene	ND		36	3.8	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
1,3-Dichlorobenzene	ND		36	2.8	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
1,4-Dichlorobenzene	ND		36	2.6	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
1,2,4-Trichlorobenzene	ND		36	2.0	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
Fluoranthene	**45**		7.3	0.77	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
Fluorene	**1.6**	**J**	7.3	0.95	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
Hexachlorobenzene	ND		7.3	0.77	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
Hexachlorobutadiene	ND		7.3	0.81	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
Hexachlorocyclopentadiene	ND		36	3.9	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
Hexachloroethane	ND		36	2.6	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
Indeno[1,2,3-cd]pyrene	**35**		7.3	0.74	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
Isophorone	ND		36	2.7	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
Naphthalene	**10**		7.3	0.62	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
Nitrobenzene	ND		72	3.0	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
N-Nitrosodiphenylamine	ND		36	3.3	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
N-Nitrosodi-n-propylamine	ND		7.3	0.85	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
Pentachlorophenol	ND		36	3.2	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
Phenanthrene	**25**		7.3	1.1	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
Phenol	ND		7.3	0.85	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
Pyrene	**47**		7.3	0.73	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
3,3'-Dichlorobenzidine	ND		36	3.8	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1
3-Nitroaniline	ND		180	15	ug/Kg	☼	08/11/16 03:00	08/11/16 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*57*		*20 - 134*	*08/11/16 03:00*	*08/11/16 16:20*	*1*

Client Sample ID: CB-6 0-2'

Lab Sample ID: 180-57326-9
Date Collected: 08/08/16 15:10
Matrix: Solid
Date Received: 08/09/16 08:45
Percent Solids: 91.8

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*56*		*42 - 100*	*08/11/16 03:00*	*08/11/16 16:20*	*1*
2-Fluorophenol (Surr)	*40*		*21 - 107*	*08/11/16 03:00*	*08/11/16 16:20*	*1*
Nitrobenzene-d5 (Surr)	*55*		*35 - 109*	*08/11/16 03:00*	*08/11/16 16:20*	*1*
Phenol-d5 (Surr)	*41*		*29 - 105*	*08/11/16 03:00*	*08/11/16 16:20*	*1*
Terphenyl-d14 (Surr)	*69*		*36 - 113*	*08/11/16 03:00*	*08/11/16 16:20*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.49	0.16	mg/Kg	☼	08/10/16 07:17	08/12/16 12:17	1
Arsenic	**11**		0.98	0.43	mg/Kg	☼	08/10/16 07:17	08/12/16 12:17	1
Antimony	**0.73**	**J**	0.98	0.35	mg/Kg	☼	08/10/16 07:17	08/12/16 12:17	1
Beryllium	**0.55**		0.39	0.10	mg/Kg	☼	08/10/16 07:17	08/12/16 12:17	1
Cadmium	**0.95**		0.49	0.11	mg/Kg	☼	08/10/16 07:17	08/12/16 12:17	1
Chromium	**13**		0.49	0.13	mg/Kg	☼	08/10/16 07:17	08/12/16 12:17	1
Copper	**18**		2.5	0.75	mg/Kg	☼	08/10/16 07:17	08/12/16 12:17	1
Lead	**80**		0.98	0.32	mg/Kg	☼	08/10/16 07:17	08/12/16 12:17	1
Nickel	**13**		3.9	0.17	mg/Kg	☼	08/10/16 07:17	08/12/16 12:17	1
Selenium	ND		0.98	0.39	mg/Kg	☼	08/10/16 07:17	08/12/16 12:17	1
Thallium	ND		2.0	0.49	mg/Kg	☼	08/10/16 07:17	08/12/16 12:17	1
Zinc	**75**		2.0	1.0	mg/Kg	☼	08/10/16 07:17	08/12/16 12:17	1
Vanadium	**19**		4.9	1.5	mg/Kg	☼	08/10/16 07:17	08/12/16 12:17	1
Cobalt	**7.9**		4.9	1.1	mg/Kg	☼	08/10/16 07:17	08/12/16 12:17	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.21**		0.034	0.0077	mg/Kg	☼	08/10/16 08:10	08/10/16 11:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.2**		0.1	0.1	%			08/10/16 23:06	1
Percent Solids	**91.8**		0.1	0.1	%			08/10/16 23:06	1

Client Sample ID: CB-6 10-12'

Lab Sample ID: 180-57326-10
Date Collected: 08/08/16 15:30
Matrix: Solid
Date Received: 08/09/16 08:45
Percent Solids: 84.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.4	1.2	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
1,1,2,2-Tetrachloroethane	ND		5.4	4.3	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.5	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
1,1,2-Trichloroethane	ND		5.4	3.0	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
1,1-Dichloroethane	ND		5.4	1.2	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
1,1-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
1,2-Dibromo-3-Chloropropane	ND		5.4	4.9	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
1,2-Dichlorobenzene	ND		5.4	3.5	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
1,2-Dichloroethane	ND		5.4	1.2	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
1,2-Dichloropropane	ND		5.4	2.0	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
1,2,4-Trichlorobenzene	ND		5.4	4.4	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
1,3-Dichlorobenzene	ND		5.4	3.2	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1

Client Sample ID: CB-6 10-12'
Date Collected: 08/08/16 15:30
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-10
Matrix: Solid
Percent Solids: 84.7

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		5.4	3.2	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
2-Butanone (MEK)	ND		5.4	3.2	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
2-Hexanone	ND		5.4	4.4	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.4	3.9	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
Acetone	ND		22	11	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
Benzene	ND		5.4	3.3	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
Bromoform	ND		5.4	4.9	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
Bromomethane	ND		5.4	1.9	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
Carbon disulfide	ND		5.4	2.3	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
Carbon tetrachloride	ND		5.4	1.5	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
Chlorobenzene	ND		5.4	2.4	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
Chloroform	ND		5.4	1.4	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
Chloromethane	ND		5.4	2.9	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
Chloroethane	ND		5.4	2.3	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
cis-1,2-Dichloroethene	ND		5.4	1.5	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
Dichlorobromomethane	ND		5.4	2.2	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
Dichlorodifluoromethane	ND		5.4	3.2	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
Ethylbenzene	ND		5.4	2.1	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
1,2-Dibromoethane	ND		5.4	2.3	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
Cyclohexane	ND		5.4	1.6	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
Isopropylbenzene	ND		5.4	3.7	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
Methyl acetate	ND		27	14	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
Methyl tert-butyl ether	ND		5.4	2.7	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
Methylcyclohexane	ND		5.4	2.0	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
Methylene Chloride	**1.1**	**J B**	5.4	0.60	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
Styrene	ND		5.4	2.5	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
Tetrachloroethene	ND		5.4	1.3	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
Toluene	ND		5.4	3.9	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
trans-1,2-Dichloroethene	ND		5.4	1.1	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
trans-1,3-Dichloropropene	ND		5.4	2.6	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
Trichloroethene	ND		5.4	1.2	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
Trichlorofluoromethane	ND		5.4	3.2	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
Vinyl chloride	ND		5.4	2.8	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1
Xylenes, Total	ND		11	4.9	ug/Kg	☼	08/14/16 14:30	08/15/16 00:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*		*52 - 124*	*08/14/16 14:30*	*08/15/16 00:34*	*1*
4-Bromofluorobenzene (Surr)	*89*		*63 - 120*	*08/14/16 14:30*	*08/15/16 00:34*	*1*
Dibromofluoromethane (Surr)	*89*		*68 - 121*	*08/14/16 14:30*	*08/15/16 00:34*	*1*
Toluene-d8 (Surr)	*102*		*72 - 127*	*08/14/16 14:30*	*08/15/16 00:34*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		7.9	0.76	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
Acenaphthylene	ND		7.9	0.90	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
Anthracene	ND		7.9	0.77	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
Benzo[a]anthracene	ND		7.9	0.99	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
Benzo[b]fluoranthene	ND		7.9	1.2	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1

Client Sample ID: CB-6 10-12'
Date Collected: 08/08/16 15:30
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-10
Matrix: Solid
Percent Solids: 84.7

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		7.9	1.6	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
Benzo[g,h,i]perylene	ND		7.9	0.78	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
Benzo[a]pyrene	ND		7.9	0.79	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
Bis(2-chloroethoxy)methane	ND		39	2.6	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
Bis(2-chloroethyl)ether	ND		7.9	1.1	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
Bis(2-ethylhexyl) phthalate	ND		79	6.4	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
Butyl benzyl phthalate	ND		39	5.4	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
4-Bromophenyl phenyl ether	ND		39	3.4	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
4-Chloroaniline	ND		39	3.2	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
4-Chloro-3-methylphenol	ND		39	3.6	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
4-Chlorophenyl phenyl ether	ND		39	4.4	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
4,6-Dinitro-2-methylphenol	ND		200	16	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
Methylphenol, 3 & 4	ND		39	3.9	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
4-Nitroaniline	ND		200	16	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
4-Nitrophenol	ND		200	14	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
Carbazole	ND		7.9	0.73	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
Chrysene	ND		7.9	0.94	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
2-Chloronaphthalene	ND		7.9	0.82	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
2-Chlorophenol	ND		39	3.2	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
2,4-Dichlorophenol	ND		7.9	0.79	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
2,4-Dimethylphenol	ND		39	6.2	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
2,4-Dinitrophenol	ND		200	47	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
2,4-Dinitrotoluene	ND		39	3.2	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
2,6-Dinitrotoluene	ND		39	4.1	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
2-Methylnaphthalene	ND		7.9	0.71	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
2-Methylphenol	ND		39	2.8	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
2-Nitroaniline	ND		200	18	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
2-Nitrophenol	ND		39	4.3	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
2,2'-oxybis[1-chloropropane]	ND		7.9	0.85	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
2,4,6-Trichlorophenol	ND		39	5.9	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
2,4,5-Trichlorophenol	ND		39	4.2	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
Dibenz(a,h)anthracene	ND		7.9	0.88	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
Dibenzofuran	ND		39	3.9	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
Di-n-butyl phthalate	ND		39	4.9	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
Diethyl phthalate	ND		39	4.3	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
Dimethyl phthalate	ND		39	4.3	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
Di-n-octyl phthalate	ND		39	4.2	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
1,2-Dichlorobenzene	ND		39	4.1	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
1,3-Dichlorobenzene	ND		39	3.1	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
1,4-Dichlorobenzene	ND		39	2.8	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
1,2,4-Trichlorobenzene	ND		39	2.2	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
Fluoranthene	ND		7.9	0.84	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
Fluorene	ND		7.9	1.0	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
Hexachlorobenzene	ND		7.9	0.84	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
Hexachlorobutadiene	ND		7.9	0.88	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
Hexachlorocyclopentadiene	ND		39	4.2	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
Hexachloroethane	ND		39	2.8	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
Indeno[1,2,3-cd]pyrene	ND		7.9	0.81	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
Isophorone	ND		39	3.0	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1

Client Sample ID: CB-6 10-12'
Date Collected: 08/08/16 15:30
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-10
Matrix: Solid
Percent Solids: 84.7

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		7.9	0.68	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
Nitrobenzene	ND		79	3.3	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
N-Nitrosodiphenylamine	ND		39	3.6	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
N-Nitrosodi-n-propylamine	ND		7.9	0.92	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
Pentachlorophenol	ND		39	3.5	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
Phenanthrene	ND		7.9	1.3	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
Phenol	ND		7.9	0.93	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
Pyrene	ND		7.9	0.80	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
3,3'-Dichlorobenzidine	ND		39	4.2	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1
3-Nitroaniline	ND		200	16	ug/Kg	☼	08/11/16 03:00	08/11/16 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*63*		*20 - 134*	*08/11/16 03:00*	*08/11/16 16:49*	*1*
2-Fluorobiphenyl	*61*		*42 - 100*	*08/11/16 03:00*	*08/11/16 16:49*	*1*
2-Fluorophenol (Surr)	*57*		*21 - 107*	*08/11/16 03:00*	*08/11/16 16:49*	*1*
Nitrobenzene-d5 (Surr)	*64*		*35 - 109*	*08/11/16 03:00*	*08/11/16 16:49*	*1*
Phenol-d5 (Surr)	*53*		*29 - 105*	*08/11/16 03:00*	*08/11/16 16:49*	*1*
Terphenyl-d14 (Surr)	*72*		*36 - 113*	*08/11/16 03:00*	*08/11/16 16:49*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.58	0.19	mg/Kg	☼	08/10/16 07:17	08/12/16 12:33	1
Arsenic	**11**		1.2	0.52	mg/Kg	☼	08/10/16 07:17	08/12/16 12:33	1
Antimony	**0.61**	**J**	1.2	0.41	mg/Kg	☼	08/10/16 07:17	08/12/16 12:33	1
Beryllium	**1.0**		0.47	0.12	mg/Kg	☼	08/10/16 07:17	08/12/16 12:33	1
Cadmium	**1.1**		0.58	0.13	mg/Kg	☼	08/10/16 07:17	08/12/16 12:33	1
Chromium	**18**		0.58	0.15	mg/Kg	☼	08/10/16 07:17	08/12/16 12:33	1
Copper	**13**		2.9	0.90	mg/Kg	☼	08/10/16 07:17	08/12/16 12:33	1
Lead	**15**		1.2	0.38	mg/Kg	☼	08/10/16 07:17	08/12/16 12:33	1
Nickel	**15**		4.7	0.20	mg/Kg	☼	08/10/16 07:17	08/12/16 12:33	1
Selenium	ND		1.2	0.46	mg/Kg	☼	08/10/16 07:17	08/12/16 12:33	1
Thallium	ND		2.3	0.58	mg/Kg	☼	08/10/16 07:17	08/12/16 12:33	1
Zinc	**33**		2.3	1.2	mg/Kg	☼	08/10/16 07:17	08/12/16 12:33	1
Vanadium	**23**		5.8	1.8	mg/Kg	☼	08/10/16 07:17	08/12/16 12:33	1
Cobalt	**16**		5.8	1.3	mg/Kg	☼	08/10/16 07:17	08/12/16 12:33	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.046**		0.036	0.0081	mg/Kg	☼	08/10/16 08:10	08/10/16 11:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15.3**		0.1	0.1	%			08/11/16 00:15	1
Percent Solids	**84.7**		0.1	0.1	%			08/11/16 00:15	1

Client: Chester Engineers, Inc.
Project/Site: Lexington Tech Park

TestAmerica Job ID: 180-57326-1

Client Sample ID: CB-7 0-4'
Date Collected: 08/08/16 14:25
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-11
Matrix: Solid
Percent Solids: 90.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.1	1.1	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
1,1,2,2-Tetrachloroethane	ND		5.1	4.1	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	1.4	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
1,1,2-Trichloroethane	ND		5.1	2.9	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
1,1-Dichloroethane	ND		5.1	1.2	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
1,1-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
1,2-Dibromo-3-Chloropropane	ND		5.1	4.7	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
1,2-Dichlorobenzene	ND		5.1	3.4	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
1,2-Dichloroethane	ND		5.1	1.2	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
1,2-Dichloropropane	ND		5.1	1.9	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
1,2,4-Trichlorobenzene	ND		5.1	4.2	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
1,4-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
2-Butanone (MEK)	ND		5.1	3.1	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
2-Hexanone	ND		5.1	4.2	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	3.7	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
Acetone	ND		21	11	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
Benzene	ND		5.1	3.1	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
Bromoform	ND		5.1	4.7	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
Bromomethane	ND		5.1	1.8	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
Carbon disulfide	ND		5.1	2.2	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
Carbon tetrachloride	ND		5.1	1.4	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
Chlorobenzene	ND		5.1	2.3	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
Chlorodibromomethane	ND		5.1	2.6	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
Chloroform	ND		5.1	1.3	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
Chloromethane	ND		5.1	2.7	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
Chloroethane	ND		5.1	2.2	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
cis-1,2-Dichloroethene	ND		5.1	1.4	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
cis-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
Dichlorobromomethane	ND		5.1	2.1	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
Dichlorodifluoromethane	ND		5.1	3.0	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
Ethylbenzene	ND		5.1	2.0	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
1,2-Dibromoethane	ND		5.1	2.2	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
Cyclohexane	ND		5.1	1.5	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
Isopropylbenzene	ND		5.1	3.6	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
Methyl acetate	ND		26	14	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
Methyl tert-butyl ether	ND		5.1	2.6	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
Methylcyclohexane	ND		5.1	1.9	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
Methylene Chloride	**1.2**	**J B**	5.1	0.57	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
Styrene	ND		5.1	2.4	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
Tetrachloroethene	ND		5.1	1.3	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
Toluene	ND		5.1	3.7	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
trans-1,2-Dichloroethene	ND		5.1	1.1	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
trans-1,3-Dichloropropene	ND		5.1	2.5	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
Trichloroethene	ND		5.1	1.2	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
Trichlorofluoromethane	ND		5.1	3.0	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
Vinyl chloride	ND		5.1	2.6	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1
Xylenes, Total	ND		10	4.7	ug/Kg	☼	08/14/16 14:30	08/15/16 00:57	1

Client Sample ID: CB-7 0-4'
Date Collected: 08/08/16 14:25
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-11
Matrix: Solid
Percent Solids: 90.3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*52 - 124*	*08/14/16 14:30*	*08/15/16 00:57*	*1*
4-Bromofluorobenzene (Surr)	*79*		*63 - 120*	*08/14/16 14:30*	*08/15/16 00:57*	*1*
Dibromofluoromethane (Surr)	*98*		*68 - 121*	*08/14/16 14:30*	*08/15/16 00:57*	*1*
Toluene-d8 (Surr)	*111*		*72 - 127*	*08/14/16 14:30*	*08/15/16 00:57*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**11**	**J**	74	7.1	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
Acenaphthylene	**78**		74	8.4	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
Anthracene	**69**	**J**	74	7.2	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
Benzo[a]anthracene	**430**		74	9.2	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
Benzo[b]fluoranthene	**650**		74	12	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
Benzo[k]fluoranthene	**220**		74	15	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
Benzo[g,h,i]perylene	**370**		74	7.3	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
Benzo[a]pyrene	**430**		74	7.3	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
Bis(2-chloroethyl)ether	ND		74	9.9	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
Bis(2-ethylhexyl) phthalate	ND		730	59	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
4-Chloro-3-methylphenol	ND		360	34	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
4-Chlorophenyl phenyl ether	ND		360	41	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
Carbazole	**29**	**J**	74	6.8	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
Chrysene	**430**		74	8.7	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
2-Chloronaphthalene	ND		74	7.7	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
2,4-Dichlorophenol	ND		74	7.4	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
2,4-Dinitrotoluene	ND		360	30	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
2,6-Dinitrotoluene	ND		360	38	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
2-Methylnaphthalene	**72**	**J**	74	6.6	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
2-Methylphenol	ND		360	26	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
2-Nitroaniline	ND		1900	160	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
2,2'-oxybis[1-chloropropane]	ND		74	7.9	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
2,4,6-Trichlorophenol	ND		360	55	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
Dibenz(a,h)anthracene	**99**		74	8.2	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
Dibenzofuran	ND		360	36	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
Di-n-octyl phthalate	ND		360	39	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
1,2-Dichlorobenzene	ND		360	38	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10

Client Sample ID: CB-7 0-4'
Date Collected: 08/08/16 14:25
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-11
Matrix: Solid
Percent Solids: 90.3

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		360	29	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
1,4-Dichlorobenzene	ND		360	26	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
1,2,4-Trichlorobenzene	ND		360	20	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
Fluoranthene	**680**		74	7.8	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
Fluorene	**14**	**J**	74	9.7	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
Hexachlorobenzene	ND		74	7.8	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
Hexachlorobutadiene	ND		74	8.2	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
Hexachlorocyclopentadiene	ND		360	40	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
Hexachloroethane	ND		360	26	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
Indeno[1,2,3-cd]pyrene	**320**		74	7.6	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
Isophorone	ND		360	28	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
Naphthalene	**61**	**J**	74	6.3	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
Nitrobenzene	ND		730	31	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
N-Nitrosodi-n-propylamine	ND		74	8.6	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
Phenanthrene	**210**		74	12	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
Phenol	ND		74	8.7	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
Pyrene	**770**		74	7.4	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
3,3'-Dichlorobenzidine	ND		360	39	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/11/16 03:00	08/11/16 17:18	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*53*		*20 - 134*	*08/11/16 03:00*	*08/11/16 17:18*	*10*
2-Fluorobiphenyl	*61*		*42 - 100*	*08/11/16 03:00*	*08/11/16 17:18*	*10*
2-Fluorophenol (Surr)	*46*		*21 - 107*	*08/11/16 03:00*	*08/11/16 17:18*	*10*
Nitrobenzene-d5 (Surr)	*59*		*35 - 109*	*08/11/16 03:00*	*08/11/16 17:18*	*10*
Phenol-d5 (Surr)	*45*		*29 - 105*	*08/11/16 03:00*	*08/11/16 17:18*	*10*
Terphenyl-d14 (Surr)	*63*		*36 - 113*	*08/11/16 03:00*	*08/11/16 17:18*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.54	0.18	mg/Kg	☼	08/10/16 07:17	08/12/16 12:38	1
Arsenic	**16**		1.1	0.47	mg/Kg	☼	08/10/16 07:17	08/12/16 12:38	1
Antimony	**0.60**	**J**	1.1	0.38	mg/Kg	☼	08/10/16 07:17	08/12/16 12:38	1
Beryllium	**0.83**		0.43	0.11	mg/Kg	☼	08/10/16 07:17	08/12/16 12:38	1
Cadmium	**1.3**		0.54	0.12	mg/Kg	☼	08/10/16 07:17	08/12/16 12:38	1
Chromium	**19**		0.54	0.14	mg/Kg	☼	08/10/16 07:17	08/12/16 12:38	1
Copper	**32**		2.7	0.83	mg/Kg	☼	08/10/16 07:17	08/12/16 12:38	1
Lead	**270**		1.1	0.35	mg/Kg	☼	08/10/16 07:17	08/12/16 12:38	1
Nickel	**17**		4.3	0.18	mg/Kg	☼	08/10/16 07:17	08/12/16 12:38	1
Selenium	**0.68**	**J**	1.1	0.43	mg/Kg	☼	08/10/16 07:17	08/12/16 12:38	1
Thallium	ND		2.2	0.54	mg/Kg	☼	08/10/16 07:17	08/12/16 12:38	1
Zinc	**150**		2.2	1.1	mg/Kg	☼	08/10/16 07:17	08/12/16 12:38	1
Vanadium	**26**		5.4	1.7	mg/Kg	☼	08/10/16 07:17	08/12/16 12:38	1
Cobalt	**10**		5.4	1.2	mg/Kg	☼	08/10/16 07:17	08/12/16 12:38	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.56**		0.035	0.0079	mg/Kg	☼	08/10/16 08:10	08/10/16 11:25	1

Client Sample ID: CB-7 0-4'

Lab Sample ID: 180-57326-11
Date Collected: 08/08/16 14:25
Matrix: Solid
Date Received: 08/09/16 08:45
Percent Solids: 90.3

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	9.7		0.1	0.1	%			08/11/16 01:25	1
Percent Solids	90.3		0.1	0.1	%			08/11/16 01:25	1

Client Sample ID: CB-8 0-2'

Lab Sample ID: 180-57326-12
Date Collected: 08/08/16 16:15
Matrix: Solid
Date Received: 08/09/16 08:45
Percent Solids: 88.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.7	1.2	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
1,1,2,2-Tetrachloroethane	ND		5.7	4.5	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	1.6	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
1,1,2-Trichloroethane	ND		5.7	3.2	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
1,1-Dichloroethane	ND		5.7	1.3	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
1,1-Dichloroethene	ND		5.7	1.6	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
1,2-Dibromo-3-Chloropropane	ND		5.7	5.1	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
1,2-Dichlorobenzene	ND		5.7	3.7	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
1,2-Dichloroethane	ND		5.7	1.3	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
1,2-Dichloropropane	ND		5.7	2.1	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
1,2,4-Trichlorobenzene	ND		5.7	4.6	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
1,3-Dichlorobenzene	ND		5.7	3.4	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
1,4-Dichlorobenzene	ND		5.7	3.4	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
2-Butanone (MEK)	ND		5.7	3.4	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
2-Hexanone	ND		5.7	4.6	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
4-Methyl-2-pentanone (MIBK)	ND		5.7	4.0	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
Acetone	ND		23	12	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
Benzene	ND		5.7	3.4	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
Bromoform	ND		5.7	5.2	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
Bromomethane	ND		5.7	1.9	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
Carbon disulfide	ND		5.7	2.4	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
Carbon tetrachloride	ND		5.7	1.5	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
Chlorobenzene	ND		5.7	2.5	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
Chlorodibromomethane	ND		5.7	2.8	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
Chloroform	ND		5.7	1.4	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
Chloromethane	ND		5.7	3.0	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
Chloroethane	ND		5.7	2.4	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
cis-1,2-Dichloroethene	ND		5.7	1.5	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
cis-1,3-Dichloropropene	ND		5.7	2.5	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
Dichlorobromomethane	ND		5.7	2.3	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
Dichlorodifluoromethane	ND		5.7	3.3	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
Ethylbenzene	ND		5.7	2.3	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
1,2-Dibromoethane	ND		5.7	2.4	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
Cyclohexane	ND		5.7	1.7	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
Isopropylbenzene	ND		5.7	3.9	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
Methyl acetate	ND		28	15	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
Methyl tert-butyl ether	ND		5.7	2.8	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
Methylcyclohexane	ND		5.7	2.0	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
Methylene Chloride	1.4	J B	5.7	0.63	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
Styrene	ND		5.7	2.7	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
Tetrachloroethene	ND		5.7	1.4	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1

Client Sample ID: CB-8 0-2'
Date Collected: 08/08/16 16:15
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-12
Matrix: Solid
Percent Solids: 88.3

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		5.7	4.1	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
trans-1,2-Dichloroethene	ND		5.7	1.2	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
trans-1,3-Dichloropropene	ND		5.7	2.7	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
Trichloroethene	ND		5.7	1.3	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
Trichlorofluoromethane	ND		5.7	3.3	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
Vinyl chloride	ND		5.7	2.9	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1
Xylenes, Total	ND		11	5.1	ug/Kg	☼	08/14/16 14:30	08/15/16 01:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*52 - 124*	*08/14/16 14:30*	*08/15/16 01:19*	*1*
4-Bromofluorobenzene (Surr)	*77*		*63 - 120*	*08/14/16 14:30*	*08/15/16 01:19*	*1*
Dibromofluoromethane (Surr)	*92*		*68 - 121*	*08/14/16 14:30*	*08/15/16 01:19*	*1*
Toluene-d8 (Surr)	*104*		*72 - 127*	*08/14/16 14:30*	*08/15/16 01:19*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**26**		7.5	0.72	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
Acenaphthylene	**33**		7.5	0.85	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
Anthracene	**70**		7.5	0.73	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
Benzo[a]anthracene	**250**		7.5	0.93	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
Benzo[b]fluoranthene	**380**		7.5	1.2	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
Benzo[k]fluoranthene	**120**		7.5	1.5	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
Benzo[g,h,i]perylene	**210**		7.5	0.74	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
Benzo[a]pyrene	**240**		7.5	0.75	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
Bis(2-chloroethoxy)methane	ND		37	2.5	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
Bis(2-chloroethyl)ether	ND		7.5	1.0	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
Bis(2-ethylhexyl) phthalate	**55**	**J**	75	6.0	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
Butyl benzyl phthalate	**68**		37	5.1	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
4-Bromophenyl phenyl ether	ND		37	3.2	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
4-Chloroaniline	ND		37	3.0	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
4-Chloro-3-methylphenol	ND		37	3.4	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
4-Chlorophenyl phenyl ether	ND		37	4.1	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
4,6-Dinitro-2-methylphenol	ND		190	15	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
Methylphenol, 3 & 4	ND		37	3.6	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
4-Nitroaniline	ND		190	15	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
4-Nitrophenol	ND		190	14	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
Carbazole	**34**		7.5	0.69	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
Chrysene	**250**		7.5	0.89	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
2-Chloronaphthalene	ND		7.5	0.78	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
2-Chlorophenol	ND		37	3.0	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
2,4-Dichlorophenol	ND		7.5	0.75	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
2,4-Dimethylphenol	ND		37	5.8	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
2,4-Dinitrophenol	ND		190	44	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
2,4-Dinitrotoluene	ND		37	3.0	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
2,6-Dinitrotoluene	ND		37	3.8	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
2-Methylnaphthalene	**37**		7.5	0.67	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
2-Methylphenol	ND		37	2.6	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
2-Nitroaniline	ND		190	17	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
2-Nitrophenol	ND		37	4.1	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
2,2'-oxybis[1-chloropropane]	ND		7.5	0.80	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1

Client Sample ID: CB-8 0-2'
Date Collected: 08/08/16 16:15
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-12
Matrix: Solid
Percent Solids: 88.3

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		37	5.6	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
2,4,5-Trichlorophenol	ND		37	4.0	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
Dibenz(a,h)anthracene	**61**		7.5	0.83	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
Dibenzofuran	**39**		37	3.7	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
Di-n-butyl phthalate	**5.9**	**J**	37	4.7	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
Diethyl phthalate	ND		37	4.1	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
Dimethyl phthalate	ND		37	4.1	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
Di-n-octyl phthalate	ND		37	3.9	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
1,2-Dichlorobenzene	ND		37	3.9	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
1,3-Dichlorobenzene	ND		37	2.9	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
1,4-Dichlorobenzene	ND		37	2.7	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
1,2,4-Trichlorobenzene	ND		37	2.1	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
Fluoranthene	**490**		7.5	0.80	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
Fluorene	**25**		7.5	0.98	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
Hexachlorobenzene	ND		7.5	0.79	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
Hexachlorobutadiene	ND		7.5	0.83	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
Hexachlorocyclopentadiene	ND		37	4.0	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
Hexachloroethane	ND		37	2.7	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
Indeno[1,2,3-cd]pyrene	**200**		7.5	0.77	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
Isophorone	ND		37	2.8	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
Naphthalene	**32**		7.5	0.64	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
Nitrobenzene	ND		75	3.1	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
N-Nitrosodiphenylamine	ND		37	3.5	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
N-Nitrosodi-n-propylamine	ND		7.5	0.87	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
Pentachlorophenol	ND		37	3.3	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
Phenanthrene	**290**		7.5	1.2	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
Phenol	ND		7.5	0.88	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
Pyrene	**440**		7.5	0.75	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
3,3'-Dichlorobenzidine	ND		37	3.9	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1
3-Nitroaniline	ND		190	15	ug/Kg	☼	08/11/16 03:00	08/11/16 17:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*54*		*20 - 134*	*08/11/16 03:00*	*08/11/16 17:47*	*1*
2-Fluorobiphenyl	*59*		*42 - 100*	*08/11/16 03:00*	*08/11/16 17:47*	*1*
2-Fluorophenol (Surr)	*39*		*21 - 107*	*08/11/16 03:00*	*08/11/16 17:47*	*1*
Nitrobenzene-d5 (Surr)	*60*		*35 - 109*	*08/11/16 03:00*	*08/11/16 17:47*	*1*
Phenol-d5 (Surr)	*39*		*29 - 105*	*08/11/16 03:00*	*08/11/16 17:47*	*1*
Terphenyl-d14 (Surr)	*62*		*36 - 113*	*08/11/16 03:00*	*08/11/16 17:47*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.52	0.17	mg/Kg	☼	08/10/16 07:17	08/12/16 12:43	1
Arsenic	**14**		1.0	0.46	mg/Kg	☼	08/10/16 07:17	08/12/16 12:43	1
Antimony	**0.79**	**J**	1.0	0.37	mg/Kg	☼	08/10/16 07:17	08/12/16 12:43	1
Beryllium	**0.71**		0.42	0.11	mg/Kg	☼	08/10/16 07:17	08/12/16 12:43	1
Cadmium	**1.1**		0.52	0.12	mg/Kg	☼	08/10/16 07:17	08/12/16 12:43	1
Chromium	**17**		0.52	0.14	mg/Kg	☼	08/10/16 07:17	08/12/16 12:43	1
Copper	**22**		2.6	0.81	mg/Kg	☼	08/10/16 07:17	08/12/16 12:43	1
Lead	**170**		1.0	0.34	mg/Kg	☼	08/10/16 07:17	08/12/16 12:43	1
Nickel	**18**		4.2	0.18	mg/Kg	☼	08/10/16 07:17	08/12/16 12:43	1

Client Sample ID: CB-8 0-2'

Lab Sample ID: 180-57326-12
Date Collected: 08/08/16 16:15
Matrix: Solid
Date Received: 08/09/16 08:45
Percent Solids: 88.3

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		1.0	0.42	mg/Kg	☼	08/10/16 07:17	08/12/16 12:43	1
Thallium	ND		2.1	0.52	mg/Kg	☼	08/10/16 07:17	08/12/16 12:43	1
Zinc	**120**		2.1	1.1	mg/Kg	☼	08/10/16 07:17	08/12/16 12:43	1
Vanadium	**26**		5.2	1.6	mg/Kg	☼	08/10/16 07:17	08/12/16 12:43	1
Cobalt	**13**		5.2	1.2	mg/Kg	☼	08/10/16 07:17	08/12/16 12:43	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.19**		0.034	0.0076	mg/Kg	☼	08/10/16 08:10	08/10/16 11:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11.7**		0.1	0.1	%			08/11/16 02:34	1
Percent Solids	**88.3**		0.1	0.1	%			08/11/16 02:34	1

Client Sample ID: CB-8 2-4'

Lab Sample ID: 180-57326-13
Date Collected: 08/08/16 16:25
Matrix: Solid
Date Received: 08/09/16 08:45
Percent Solids: 84.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.5	1.2	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
1,1,2,2-Tetrachloroethane	ND		5.5	4.3	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.5	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
1,1,2-Trichloroethane	ND		5.5	3.1	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
1,1-Dichloroethane	ND		5.5	1.2	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
1,1-Dichloroethene	ND		5.5	1.6	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
1,2-Dibromo-3-Chloropropane	ND		5.5	4.9	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
1,2-Dichlorobenzene	ND		5.5	3.6	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
1,2-Dichloroethane	ND		5.5	1.2	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
1,2-Dichloropropane	ND		5.5	2.0	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
1,2,4-Trichlorobenzene	ND		5.5	4.5	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
1,3-Dichlorobenzene	ND		5.5	3.3	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
1,4-Dichlorobenzene	ND		5.5	3.2	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
2-Butanone (MEK)	ND		5.5	3.3	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
2-Hexanone	ND		5.5	4.4	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.5	3.9	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
Acetone	ND		22	11	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
Benzene	ND		5.5	3.3	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
Bromoform	ND		5.5	5.0	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
Bromomethane	ND		5.5	1.9	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
Carbon disulfide	ND		5.5	2.3	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
Carbon tetrachloride	ND		5.5	1.5	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
Chlorobenzene	ND		5.5	2.4	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
Chloroform	ND		5.5	1.4	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
Chloromethane	ND		5.5	2.9	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
Chloroethane	ND		5.5	2.3	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
cis-1,2-Dichloroethene	ND		5.5	1.5	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1

Client Sample ID: CB-8 2-4'
Date Collected: 08/08/16 16:25
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-13
Matrix: Solid
Percent Solids: 84.3

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		5.5	2.2	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
Dichlorodifluoromethane	ND		5.5	3.2	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
Ethylbenzene	ND		5.5	2.2	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
1,2-Dibromoethane	ND		5.5	2.3	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
Cyclohexane	ND		5.5	1.6	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
Isopropylbenzene	ND		5.5	3.8	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
Methyl acetate	ND		27	15	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
Methyl tert-butyl ether	ND		5.5	2.7	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
Methylcyclohexane	ND		5.5	2.0	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
Methylene Chloride	**1.2**	**J B**	5.5	0.61	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
Styrene	ND		5.5	2.6	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
Tetrachloroethene	ND		5.5	1.4	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
Toluene	ND		5.5	4.0	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
trans-1,2-Dichloroethene	ND		5.5	1.1	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
trans-1,3-Dichloropropene	ND		5.5	2.6	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
Trichloroethene	ND		5.5	1.2	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
Trichlorofluoromethane	ND		5.5	3.2	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
Vinyl chloride	ND		5.5	2.8	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1
Xylenes, Total	ND		11	5.0	ug/Kg	☼	08/14/16 14:30	08/15/16 01:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*52 - 124*	*08/14/16 14:30*	*08/15/16 01:43*	*1*
4-Bromofluorobenzene (Surr)	*83*		*63 - 120*	*08/14/16 14:30*	*08/15/16 01:43*	*1*
Dibromofluoromethane (Surr)	*92*		*68 - 121*	*08/14/16 14:30*	*08/15/16 01:43*	*1*
Toluene-d8 (Surr)	*96*		*72 - 127*	*08/14/16 14:30*	*08/15/16 01:43*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		7.9	0.76	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
Acenaphthylene	ND		7.9	0.91	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
Anthracene	**3.7**	**J**	7.9	0.77	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
Benzo[a]anthracene	**16**		7.9	0.99	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
Benzo[b]fluoranthene	**25**		7.9	1.2	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
Benzo[k]fluoranthene	**9.4**		7.9	1.6	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
Benzo[g,h,i]perylene	**15**		7.9	0.79	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
Benzo[a]pyrene	**18**		7.9	0.79	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
Bis(2-chloroethoxy)methane	ND		39	2.6	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
Bis(2-chloroethyl)ether	ND		7.9	1.1	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
Bis(2-ethylhexyl) phthalate	**25**	**J**	79	6.4	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
Butyl benzyl phthalate	**32**	**J**	39	5.4	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
4-Bromophenyl phenyl ether	ND		39	3.4	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
4-Chloroaniline	ND		39	3.2	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
4-Chloro-3-methylphenol	ND		39	3.6	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
4-Chlorophenyl phenyl ether	ND		39	4.4	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
4,6-Dinitro-2-methylphenol	ND		200	16	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
Methylphenol, 3 & 4	ND		39	3.9	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
4-Nitroaniline	ND		200	16	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
4-Nitrophenol	ND		200	14	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
Carbazole	**2.7**	**J**	7.9	0.73	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
Chrysene	**17**		7.9	0.94	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1

Client Sample ID: CB-8 2-4'
Date Collected: 08/08/16 16:25
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-13
Matrix: Solid
Percent Solids: 84.3

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		7.9	0.83	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
2-Chlorophenol	ND		39	3.2	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
2,4-Dichlorophenol	ND		7.9	0.79	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
2,4-Dimethylphenol	ND		39	6.2	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
2,4-Dinitrophenol	ND		200	47	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
2,4-Dinitrotoluene	ND		39	3.2	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
2,6-Dinitrotoluene	ND		39	4.1	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
2-Methylnaphthalene	**2.5**	**J**	7.9	0.71	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
2-Methylphenol	ND		39	2.8	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
2-Nitroaniline	ND		200	18	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
2-Nitrophenol	ND		39	4.4	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
2,2'-oxybis[1-chloropropane]	ND		7.9	0.85	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
2,4,6-Trichlorophenol	ND		39	5.9	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
2,4,5-Trichlorophenol	ND		39	4.2	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
Dibenz(a,h)anthracene	**3.9**	**J**	7.9	0.88	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
Dibenzofuran	ND		39	3.9	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
Di-n-butyl phthalate	ND		39	5.0	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
Diethyl phthalate	ND		39	4.3	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
Dimethyl phthalate	ND		39	4.3	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
Di-n-octyl phthalate	ND		39	4.2	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
1,2-Dichlorobenzene	ND		39	4.1	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
1,3-Dichlorobenzene	ND		39	3.1	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
1,4-Dichlorobenzene	ND		39	2.8	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
1,2,4-Trichlorobenzene	ND		39	2.2	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
Fluoranthene	**24**		7.9	0.85	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
Fluorene	ND		7.9	1.0	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
Hexachlorobenzene	ND		7.9	0.84	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
Hexachlorobutadiene	ND		7.9	0.89	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
Hexachlorocyclopentadiene	ND		39	4.3	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
Hexachloroethane	ND		39	2.8	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
Indeno[1,2,3-cd]pyrene	**15**		7.9	0.82	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
Isophorone	ND		39	3.0	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
Naphthalene	**3.0**	**J**	7.9	0.68	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
Nitrobenzene	ND		79	3.3	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
N-Nitrosodiphenylamine	ND		39	3.7	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
N-Nitrosodi-n-propylamine	ND		7.9	0.93	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
Pentachlorophenol	ND		39	3.5	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
Phenanthrene	**18**		7.9	1.3	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
Phenol	ND		7.9	0.93	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
Pyrene	**22**		7.9	0.80	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
3,3'-Dichlorobenzidine	ND		39	4.2	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1
3-Nitroaniline	ND		200	16	ug/Kg	☼	08/11/16 03:00	08/11/16 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*56*		*20 - 134*	*08/11/16 03:00*	*08/11/16 18:16*	*1*
2-Fluorobiphenyl	*55*		*42 - 100*	*08/11/16 03:00*	*08/11/16 18:16*	*1*
2-Fluorophenol (Surr)	*46*		*21 - 107*	*08/11/16 03:00*	*08/11/16 18:16*	*1*
Nitrobenzene-d5 (Surr)	*57*		*35 - 109*	*08/11/16 03:00*	*08/11/16 18:16*	*1*
Phenol-d5 (Surr)	*46*		*29 - 105*	*08/11/16 03:00*	*08/11/16 18:16*	*1*
Terphenyl-d14 (Surr)	*62*		*36 - 113*	*08/11/16 03:00*	*08/11/16 18:16*	*1*

Client Sample Results

Client: Chester Engineers, Inc.
Project/Site: Lexington Tech Park

TestAmerica Job ID: 180-57326-1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.55	0.18	mg/Kg	☼	08/10/16 07:17	08/12/16 12:48	1
Arsenic	**13**		1.1	0.48	mg/Kg	☼	08/10/16 07:17	08/12/16 12:48	1
Antimony	ND		1.1	0.39	mg/Kg	☼	08/10/16 07:17	08/12/16 12:48	1
Beryllium	**0.57**		0.44	0.11	mg/Kg	☼	08/10/16 07:17	08/12/16 12:48	1
Cadmium	**0.56**		0.55	0.12	mg/Kg	☼	08/10/16 07:17	08/12/16 12:48	1
Chromium	**14**		0.55	0.14	mg/Kg	☼	08/10/16 07:17	08/12/16 12:48	1
Copper	**16**		2.7	0.84	mg/Kg	☼	08/10/16 07:17	08/12/16 12:48	1
Lead	**16**		1.1	0.36	mg/Kg	☼	08/10/16 07:17	08/12/16 12:48	1
Nickel	**15**		4.4	0.19	mg/Kg	☼	08/10/16 07:17	08/12/16 12:48	1
Selenium	ND		1.1	0.43	mg/Kg	☼	08/10/16 07:17	08/12/16 12:48	1
Thallium	ND		2.2	0.55	mg/Kg	☼	08/10/16 07:17	08/12/16 12:48	1
Zinc	**41**		2.2	1.1	mg/Kg	☼	08/10/16 07:17	08/12/16 12:48	1
Vanadium	**23**		5.5	1.7	mg/Kg	☼	08/10/16 07:17	08/12/16 12:48	1
Cobalt	**10**		5.5	1.2	mg/Kg	☼	08/10/16 07:17	08/12/16 12:48	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.025**	**J**	0.037	0.0082	mg/Kg	☼	08/10/16 08:10	08/10/16 11:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15.7**		0.1	0.1	%			08/11/16 03:44	1
Percent Solids	**84.3**		0.1	0.1	%			08/11/16 03:44	1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-184758/1-A
Matrix: Solid
Analysis Batch: 184751

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 184758

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.1	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
1,1,2,2-Tetrachloroethane	ND		5.0	4.0	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.4	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
1,1,2-Trichloroethane	ND		5.0	2.8	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
1,1-Dichloroethane	ND		5.0	1.1	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
1,1-Dichloroethene	ND		5.0	1.5	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
1,2-Dibromo-3-Chloropropane	ND		5.0	4.5	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
1,2-Dichlorobenzene	ND		5.0	3.3	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
1,2-Dichloroethane	ND		5.0	1.1	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
1,2-Dichloropropane	ND		5.0	1.9	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
1,2,4-Trichlorobenzene	ND		5.0	4.1	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
1,3-Dichlorobenzene	ND		5.0	3.0	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
1,4-Dichlorobenzene	ND		5.0	3.0	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
2-Butanone (MEK)	ND		5.0	3.0	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
2-Hexanone	ND		5.0	4.1	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	3.6	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
Acetone	ND		20	10	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
Benzene	ND		5.0	3.0	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
Bromoform	ND		5.0	4.6	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
Bromomethane	ND		5.0	1.7	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
Carbon disulfide	ND		5.0	2.1	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
Carbon tetrachloride	ND		5.0	1.4	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
Chlorobenzene	ND		5.0	2.2	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
Chloroform	ND		5.0	1.3	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
Chloromethane	ND		5.0	2.6	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
Chloroethane	ND		5.0	2.1	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
cis-1,2-Dichloroethene	ND		5.0	1.3	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
Dichlorobromomethane	ND		5.0	2.0	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
Dichlorodifluoromethane	ND		5.0	2.9	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
Ethylbenzene	ND		5.0	2.0	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
1,2-Dibromoethane	ND		5.0	2.1	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
Cyclohexane	ND		5.0	1.5	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
Isopropylbenzene	ND		5.0	3.4	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
Methyl acetate	ND		25	13	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
Methyl tert-butyl ether	ND		5.0	2.5	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
Methylcyclohexane	ND		5.0	1.8	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
Methylene Chloride	2.55	J	5.0	0.56	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
Styrene	ND		5.0	2.3	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
Tetrachloroethene	ND		5.0	1.2	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
Toluene	ND		5.0	3.6	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
trans-1,2-Dichloroethene	ND		5.0	1.0	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
trans-1,3-Dichloropropene	ND		5.0	2.4	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
Trichloroethene	ND		5.0	1.1	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
Trichlorofluoromethane	ND		5.0	3.0	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
Vinyl chloride	ND		5.0	2.6	ug/Kg		08/13/16 07:33	08/13/16 09:34	1
Xylenes, Total	ND		10	4.6	ug/Kg		08/13/16 07:33	08/13/16 09:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*82*		*52 - 124*	*08/13/16 07:33*	*08/13/16 09:34*	*1*
4-Bromofluorobenzene (Surr)	*92*		*63 - 120*	*08/13/16 07:33*	*08/13/16 09:34*	*1*
Dibromofluoromethane (Surr)	*89*		*68 - 121*	*08/13/16 07:33*	*08/13/16 09:34*	*1*
Toluene-d8 (Surr)	*100*		*72 - 127*	*08/13/16 07:33*	*08/13/16 09:34*	*1*

Lab Sample ID: LCS 180-184758/2-A
Matrix: Solid
Analysis Batch: 184751

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 184758

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	40.0	41.1		ug/Kg		103	67 - 126
1,1,2,2-Tetrachloroethane	40.0	37.5		ug/Kg		94	60 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	41.5		ug/Kg		104	55 - 130
1,1,2-Trichloroethane	40.0	40.5		ug/Kg		101	70 - 128
1,1-Dichloroethane	40.0	36.1		ug/Kg		90	66 - 124
1,1-Dichloroethene	40.0	38.9		ug/Kg		97	59 - 129
1,2-Dibromo-3-Chloropropane	40.0	39.6		ug/Kg		99	35 - 136
1,2-Dichlorobenzene	40.0	40.3		ug/Kg		101	71 - 124
1,2-Dichloroethane	40.0	39.5		ug/Kg		99	61 - 127
1,2-Dichloropropane	40.0	37.1		ug/Kg		93	72 - 122
1,2,4-Trichlorobenzene	40.0	39.8		ug/Kg		100	51 - 136
1,3-Dichlorobenzene	40.0	40.3		ug/Kg		101	75 - 118
1,4-Dichlorobenzene	40.0	39.6		ug/Kg		99	77 - 116
2-Butanone (MEK)	40.0	38.0		ug/Kg		95	35 - 149
2-Hexanone	40.0	49.7		ug/Kg		124	32 - 150
4-Methyl-2-pentanone (MIBK)	40.0	38.7		ug/Kg		97	44 - 148
Acetone	40.0	43.4		ug/Kg		108	20 - 150
Benzene	40.0	38.1		ug/Kg		95	77 - 120
Bromoform	40.0	37.4		ug/Kg		94	53 - 140
Bromomethane	40.0	44.5		ug/Kg		111	25 - 150
Carbon disulfide	40.0	40.7		ug/Kg		102	50 - 127
Carbon tetrachloride	40.0	39.9		ug/Kg		100	69 - 122
Chlorobenzene	40.0	40.2		ug/Kg		101	79 - 120
Chlorodibromomethane	40.0	38.8		ug/Kg		97	70 - 132
Chloroform	40.0	38.8		ug/Kg		97	72 - 120
Chloromethane	40.0	38.2		ug/Kg		95	44 - 131
Chloroethane	40.0	48.3		ug/Kg		121	22 - 150
cis-1,2-Dichloroethene	40.0	38.8		ug/Kg		97	80 - 118
cis-1,3-Dichloropropene	40.0	43.6		ug/Kg		109	73 - 120
Dichlorobromomethane	40.0	39.9		ug/Kg		100	70 - 125
Dichlorodifluoromethane	40.0	39.9		ug/Kg		100	25 - 150
Ethylbenzene	40.0	38.9		ug/Kg		97	78 - 125
1,2-Dibromoethane	40.0	40.0		ug/Kg		100	70 - 131
Cyclohexane	40.0	36.1		ug/Kg		90	64 - 130
Isopropylbenzene	40.0	38.2		ug/Kg		95	70 - 133
Methyl acetate	200	177		ug/Kg		89	27 - 142
Methyl tert-butyl ether	40.0	41.2		ug/Kg		103	48 - 132
Methylcyclohexane	40.0	38.9		ug/Kg		97	66 - 135
Methylene Chloride	40.0	35.0		ug/Kg		88	58 - 127
m-Xylene & p-Xylene	40.0	37.7		ug/Kg		94	75 - 126
o-Xylene	40.0	37.5		ug/Kg		94	83 - 127
Styrene	40.0	39.5		ug/Kg		99	83 - 129
Tetrachloroethene	40.0	40.4		ug/Kg		101	78 - 129

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-184758/2-A
Matrix: Solid
Analysis Batch: 184751

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 184758

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	40.0	37.8		ug/Kg		95	78 - 124
trans-1,2-Dichloroethene	40.0	38.1		ug/Kg		95	77 - 121
trans-1,3-Dichloropropene	40.0	43.2		ug/Kg		108	74 - 129
Trichloroethene	40.0	39.6		ug/Kg		99	76 - 119
Trichlorofluoromethane	40.0	46.4		ug/Kg		116	20 - 150
Vinyl chloride	40.0	36.9		ug/Kg		92	63 - 124
Xylenes, Total	80.0	75.2		ug/Kg		94	83 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*52 - 124*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*
Dibromofluoromethane (Surr)	*95*		*68 - 121*
Toluene-d8 (Surr)	*95*		*72 - 127*

Lab Sample ID: MB 180-184795/1-A
Matrix: Solid
Analysis Batch: 184793

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 184795

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.1	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
1,1,2,2-Tetrachloroethane	ND		5.0	4.0	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.4	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
1,1,2-Trichloroethane	ND		5.0	2.8	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
1,1-Dichloroethane	ND		5.0	1.1	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
1,1-Dichloroethene	ND		5.0	1.5	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
1,2-Dibromo-3-Chloropropane	ND		5.0	4.5	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
1,2-Dichlorobenzene	ND		5.0	3.3	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
1,2-Dichloroethane	ND		5.0	1.1	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
1,2-Dichloropropane	ND		5.0	1.9	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
1,2,4-Trichlorobenzene	ND		5.0	4.1	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
1,3-Dichlorobenzene	ND		5.0	3.0	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
1,4-Dichlorobenzene	ND		5.0	3.0	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
2-Butanone (MEK)	ND		5.0	3.0	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
2-Hexanone	ND		5.0	4.1	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	3.6	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
Acetone	ND		20	10	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
Benzene	ND		5.0	3.0	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
Bromoform	ND		5.0	4.6	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
Bromomethane	ND		5.0	1.7	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
Carbon disulfide	ND		5.0	2.1	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
Carbon tetrachloride	ND		5.0	1.4	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
Chlorobenzene	ND		5.0	2.2	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
Chloroform	ND		5.0	1.3	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
Chloromethane	ND		5.0	2.6	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
Chloroethane	ND		5.0	2.1	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
cis-1,2-Dichloroethene	ND		5.0	1.3	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		08/14/16 14:30	08/14/16 16:28	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-184795/1-A
Matrix: Solid
Analysis Batch: 184793

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 184795

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		5.0	2.0	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
Dichlorodifluoromethane	ND		5.0	2.9	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
Ethylbenzene	ND		5.0	2.0	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
1,2-Dibromoethane	ND		5.0	2.1	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
Cyclohexane	ND		5.0	1.5	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
Isopropylbenzene	ND		5.0	3.4	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
Methyl acetate	ND		25	13	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
Methyl tert-butyl ether	ND		5.0	2.5	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
Methylcyclohexane	ND		5.0	1.8	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
Methylene Chloride	1.47	J	5.0	0.56	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
Styrene	ND		5.0	2.3	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
Tetrachloroethene	ND		5.0	1.2	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
Toluene	ND		5.0	3.6	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
trans-1,2-Dichloroethene	ND		5.0	1.0	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
trans-1,3-Dichloropropene	ND		5.0	2.4	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
Trichloroethene	ND		5.0	1.1	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
Trichlorofluoromethane	ND		5.0	3.0	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
Vinyl chloride	ND		5.0	2.6	ug/Kg		08/14/16 14:30	08/14/16 16:28	1
Xylenes, Total	ND		10	4.6	ug/Kg		08/14/16 14:30	08/14/16 16:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*80*		*52 - 124*	*08/14/16 14:30*	*08/14/16 16:28*	*1*
4-Bromofluorobenzene (Surr)	*85*		*63 - 120*	*08/14/16 14:30*	*08/14/16 16:28*	*1*
Dibromofluoromethane (Surr)	*83*		*68 - 121*	*08/14/16 14:30*	*08/14/16 16:28*	*1*
Toluene-d8 (Surr)	*96*		*72 - 127*	*08/14/16 14:30*	*08/14/16 16:28*	*1*

Lab Sample ID: LCS 180-184795/2-A
Matrix: Solid
Analysis Batch: 184793

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 184795

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	40.0	40.7		ug/Kg		102	67 - 126
1,1,2,2-Tetrachloroethane	40.0	37.0		ug/Kg		93	60 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	43.0		ug/Kg		107	55 - 130
1,1,2-Trichloroethane	40.0	39.0		ug/Kg		97	70 - 128
1,1-Dichloroethane	40.0	36.1		ug/Kg		90	66 - 124
1,1-Dichloroethene	40.0	38.9		ug/Kg		97	59 - 129
1,2-Dibromo-3-Chloropropane	40.0	39.4		ug/Kg		98	35 - 136
1,2-Dichlorobenzene	40.0	41.0		ug/Kg		102	71 - 124
1,2-Dichloroethane	40.0	41.1		ug/Kg		103	61 - 127
1,2-Dichloropropane	40.0	38.2		ug/Kg		95	72 - 122
1,2,4-Trichlorobenzene	40.0	41.5		ug/Kg		104	51 - 136
1,3-Dichlorobenzene	40.0	41.2		ug/Kg		103	75 - 118
1,4-Dichlorobenzene	40.0	40.4		ug/Kg		101	77 - 116
2-Butanone (MEK)	40.0	36.8		ug/Kg		92	35 - 149
2-Hexanone	40.0	46.4		ug/Kg		116	32 - 150
4-Methyl-2-pentanone (MIBK)	40.0	37.0		ug/Kg		92	44 - 148

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-184795/2-A
Matrix: Solid
Analysis Batch: 184793

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 184795

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	39.5		ug/Kg		99	20 - 150
Benzene	40.0	38.3		ug/Kg		96	77 - 120
Bromoform	40.0	35.6		ug/Kg		89	53 - 140
Bromomethane	40.0	44.8		ug/Kg		112	25 - 150
Carbon disulfide	40.0	38.3		ug/Kg		96	50 - 127
Carbon tetrachloride	40.0	39.1		ug/Kg		98	69 - 122
Chlorobenzene	40.0	40.8		ug/Kg		102	79 - 120
Chlorodibromomethane	40.0	38.3		ug/Kg		96	70 - 132
Chloroform	40.0	37.8		ug/Kg		95	72 - 120
Chloromethane	40.0	38.8		ug/Kg		97	44 - 131
Chloroethane	40.0	49.6		ug/Kg		124	22 - 150
cis-1,2-Dichloroethene	40.0	38.5		ug/Kg		96	80 - 118
cis-1,3-Dichloropropene	40.0	43.5		ug/Kg		109	73 - 120
Dichlorobromomethane	40.0	39.8		ug/Kg		100	70 - 125
Dichlorodifluoromethane	40.0	41.6		ug/Kg		104	25 - 150
Ethylbenzene	40.0	39.2		ug/Kg		98	78 - 125
1,2-Dibromoethane	40.0	38.6		ug/Kg		96	70 - 131
Cyclohexane	40.0	36.1		ug/Kg		90	64 - 130
Isopropylbenzene	40.0	38.8		ug/Kg		97	70 - 133
Methyl acetate	200	173		ug/Kg		87	27 - 142
Methyl tert-butyl ether	40.0	40.6		ug/Kg		101	48 - 132
Methylcyclohexane	40.0	37.9		ug/Kg		95	66 - 135
Methylene Chloride	40.0	34.7		ug/Kg		87	58 - 127
m-Xylene & p-Xylene	40.0	38.4		ug/Kg		96	75 - 126
o-Xylene	40.0	38.1		ug/Kg		95	83 - 127
Styrene	40.0	40.0		ug/Kg		100	83 - 129
Tetrachloroethene	40.0	40.8		ug/Kg		102	78 - 129
Toluene	40.0	38.9		ug/Kg		97	78 - 124
trans-1,2-Dichloroethene	40.0	37.8		ug/Kg		94	77 - 121
trans-1,3-Dichloropropene	40.0	42.5		ug/Kg		106	74 - 129
Trichloroethene	40.0	39.5		ug/Kg		99	76 - 119
Trichlorofluoromethane	40.0	47.8		ug/Kg		120	20 - 150
Vinyl chloride	40.0	38.8		ug/Kg		97	63 - 124
Xylenes, Total	80.0	76.5		ug/Kg		96	83 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*52 - 124*
4-Bromofluorobenzene (Surr)	*92*		*63 - 120*
Dibromofluoromethane (Surr)	*90*		*68 - 121*
Toluene-d8 (Surr)	*92*		*72 - 127*

Lab Sample ID: MB 180-184812/6
Matrix: Solid
Analysis Batch: 184812

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.1	ug/Kg			08/15/16 08:03	1
1,1,2,2-Tetrachloroethane	ND		5.0	4.0	ug/Kg			08/15/16 08:03	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-184812/6
Matrix: Solid
Analysis Batch: 184812

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.4	ug/Kg			08/15/16 08:03	1
1,1,2-Trichloroethane	ND		5.0	2.8	ug/Kg			08/15/16 08:03	1
1,1-Dichloroethane	ND		5.0	1.1	ug/Kg			08/15/16 08:03	1
1,1-Dichloroethene	ND		5.0	1.5	ug/Kg			08/15/16 08:03	1
1,2-Dibromo-3-Chloropropane	ND		5.0	4.5	ug/Kg			08/15/16 08:03	1
1,2-Dichlorobenzene	ND		5.0	3.3	ug/Kg			08/15/16 08:03	1
1,2-Dichloroethane	ND		5.0	1.1	ug/Kg			08/15/16 08:03	1
1,2-Dichloropropane	ND		5.0	1.9	ug/Kg			08/15/16 08:03	1
1,2,4-Trichlorobenzene	ND		5.0	4.1	ug/Kg			08/15/16 08:03	1
1,3-Dichlorobenzene	ND		5.0	3.0	ug/Kg			08/15/16 08:03	1
1,4-Dichlorobenzene	ND		5.0	3.0	ug/Kg			08/15/16 08:03	1
2-Butanone (MEK)	ND		5.0	3.0	ug/Kg			08/15/16 08:03	1
2-Hexanone	ND		5.0	4.1	ug/Kg			08/15/16 08:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	3.6	ug/Kg			08/15/16 08:03	1
Acetone	ND		20	10	ug/Kg			08/15/16 08:03	1
Benzene	ND		5.0	3.0	ug/Kg			08/15/16 08:03	1
Bromoform	ND		5.0	4.6	ug/Kg			08/15/16 08:03	1
Bromomethane	ND		5.0	1.7	ug/Kg			08/15/16 08:03	1
Carbon disulfide	ND		5.0	2.1	ug/Kg			08/15/16 08:03	1
Carbon tetrachloride	ND		5.0	1.4	ug/Kg			08/15/16 08:03	1
Chlorobenzene	ND		5.0	2.2	ug/Kg			08/15/16 08:03	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			08/15/16 08:03	1
Chloroform	ND		5.0	1.3	ug/Kg			08/15/16 08:03	1
Chloromethane	ND		5.0	2.6	ug/Kg			08/15/16 08:03	1
Chloroethane	ND		5.0	2.1	ug/Kg			08/15/16 08:03	1
cis-1,2-Dichloroethene	ND		5.0	1.3	ug/Kg			08/15/16 08:03	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			08/15/16 08:03	1
Dichlorobromomethane	ND		5.0	2.0	ug/Kg			08/15/16 08:03	1
Dichlorodifluoromethane	ND		5.0	2.9	ug/Kg			08/15/16 08:03	1
Ethylbenzene	ND		5.0	2.0	ug/Kg			08/15/16 08:03	1
1,2-Dibromoethane	ND		5.0	2.1	ug/Kg			08/15/16 08:03	1
Cyclohexane	ND		5.0	1.5	ug/Kg			08/15/16 08:03	1
Isopropylbenzene	ND		5.0	3.4	ug/Kg			08/15/16 08:03	1
Methyl acetate	ND		25	13	ug/Kg			08/15/16 08:03	1
Methyl tert-butyl ether	ND		5.0	2.5	ug/Kg			08/15/16 08:03	1
Methylcyclohexane	ND		5.0	1.8	ug/Kg			08/15/16 08:03	1
Methylene Chloride	3.24	J	5.0	0.56	ug/Kg			08/15/16 08:03	1
Styrene	ND		5.0	2.3	ug/Kg			08/15/16 08:03	1
Tetrachloroethene	ND		5.0	1.2	ug/Kg			08/15/16 08:03	1
Toluene	ND		5.0	3.6	ug/Kg			08/15/16 08:03	1
trans-1,2-Dichloroethene	ND		5.0	1.0	ug/Kg			08/15/16 08:03	1
trans-1,3-Dichloropropene	ND		5.0	2.4	ug/Kg			08/15/16 08:03	1
Trichloroethene	ND		5.0	1.1	ug/Kg			08/15/16 08:03	1
Trichlorofluoromethane	ND		5.0	3.0	ug/Kg			08/15/16 08:03	1
Vinyl chloride	ND		5.0	2.6	ug/Kg			08/15/16 08:03	1
Xylenes, Total	ND		10	4.6	ug/Kg			08/15/16 08:03	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-184812/6
Matrix: Solid
Analysis Batch: 184812

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		52 - 124		08/15/16 08:03	1
4-Bromofluorobenzene (Surr)	90		63 - 120		08/15/16 08:03	1
Dibromofluoromethane (Surr)	91		68 - 121		08/15/16 08:03	1
Toluene-d8 (Surr)	93		72 - 127		08/15/16 08:03	1

Lab Sample ID: LCS 180-184812/3
Matrix: Solid
Analysis Batch: 184812

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	40.0	39.6		ug/Kg		99	67 - 126
1,1,2,2-Tetrachloroethane	40.0	34.0		ug/Kg		85	60 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	40.0		ug/Kg		100	55 - 130
1,1,2-Trichloroethane	40.0	38.8		ug/Kg		97	70 - 128
1,1-Dichloroethane	40.0	34.3		ug/Kg		86	66 - 124
1,1-Dichloroethene	40.0	37.6		ug/Kg		94	59 - 129
1,2-Dibromo-3-Chloropropane	40.0	33.9		ug/Kg		85	35 - 136
1,2-Dichlorobenzene	40.0	40.2		ug/Kg		100	71 - 124
1,2-Dichloroethane	40.0	38.8		ug/Kg		97	61 - 127
1,2-Dichloropropane	40.0	37.7		ug/Kg		94	72 - 122
1,2,4-Trichlorobenzene	40.0	41.8		ug/Kg		104	51 - 136
1,3-Dichlorobenzene	40.0	40.9		ug/Kg		102	75 - 118
1,4-Dichlorobenzene	40.0	40.5		ug/Kg		101	77 - 116
2-Butanone (MEK)	40.0	32.0		ug/Kg		80	35 - 149
2-Hexanone	40.0	37.1		ug/Kg		93	32 - 150
4-Methyl-2-pentanone (MIBK)	40.0	33.9		ug/Kg		85	44 - 148
Acetone	40.0	35.4		ug/Kg		88	20 - 150
Benzene	40.0	37.9		ug/Kg		95	77 - 120
Bromoform	40.0	32.1		ug/Kg		80	53 - 140
Bromomethane	40.0	49.7		ug/Kg		124	25 - 150
Carbon disulfide	40.0	33.9		ug/Kg		85	50 - 127
Carbon tetrachloride	40.0	38.4		ug/Kg		96	69 - 122
Chlorobenzene	40.0	39.2		ug/Kg		98	79 - 120
Chlorodibromomethane	40.0	33.3		ug/Kg		83	70 - 132
Chloroform	40.0	38.2		ug/Kg		95	72 - 120
Chloromethane	40.0	41.3		ug/Kg		103	44 - 131
Chloroethane	40.0	53.4		ug/Kg		133	22 - 150
cis-1,2-Dichloroethene	40.0	37.0		ug/Kg		92	80 - 118
cis-1,3-Dichloropropene	40.0	41.1		ug/Kg		103	73 - 120
Dichlorobromomethane	40.0	37.2		ug/Kg		93	70 - 125
Dichlorodifluoromethane	40.0	52.8		ug/Kg		132	25 - 150
Ethylbenzene	40.0	38.3		ug/Kg		96	78 - 125
1,2-Dibromoethane	40.0	36.9		ug/Kg		92	70 - 131
Cyclohexane	40.0	35.5		ug/Kg		89	64 - 130
Isopropylbenzene	40.0	37.5		ug/Kg		94	70 - 133
Methyl acetate	200	163		ug/Kg		82	27 - 142
Methyl tert-butyl ether	40.0	38.0		ug/Kg		95	48 - 132

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-184812/3
Matrix: Solid
Analysis Batch: 184812

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylcyclohexane	40.0	37.6		ug/Kg		94	66 - 135
Methylene Chloride	40.0	35.0		ug/Kg		87	58 - 127
m-Xylene & p-Xylene	40.0	37.2		ug/Kg		93	75 - 126
o-Xylene	40.0	36.3		ug/Kg		91	83 - 127
Styrene	40.0	38.1		ug/Kg		95	83 - 129
Tetrachloroethene	40.0	39.9		ug/Kg		100	78 - 129
Toluene	40.0	37.0		ug/Kg		92	78 - 124
trans-1,2-Dichloroethene	40.0	38.3		ug/Kg		96	77 - 121
trans-1,3-Dichloropropene	40.0	39.1		ug/Kg		98	74 - 129
Trichloroethene	40.0	39.6		ug/Kg		99	76 - 119
Trichlorofluoromethane	40.0	47.9		ug/Kg		120	20 - 150
Vinyl chloride	40.0	43.6		ug/Kg		109	63 - 124
Xylenes, Total	80.0	73.5		ug/Kg		92	83 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*52 - 124*
4-Bromofluorobenzene (Surr)	*88*		*63 - 120*
Dibromofluoromethane (Surr)	*88*		*68 - 121*
Toluene-d8 (Surr)	*90*		*72 - 127*

Lab Sample ID: LCSD 180-184812/4
Matrix: Solid
Analysis Batch: 184812

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	40.0	43.6		ug/Kg		109	67 - 126	10	31
1,1,2,2-Tetrachloroethane	40.0	39.6		ug/Kg		99	60 - 139	15	24
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	44.4		ug/Kg		111	55 - 130	10	37
1,1,2-Trichloroethane	40.0	42.6		ug/Kg		106	70 - 128	9	22
1,1-Dichloroethane	40.0	37.7		ug/Kg		94	66 - 124	9	23
1,1-Dichloroethene	40.0	40.8		ug/Kg		102	59 - 129	8	25
1,2-Dibromo-3-Chloropropane	40.0	39.5		ug/Kg		99	35 - 136	15	40
1,2-Dichlorobenzene	40.0	44.6		ug/Kg		112	71 - 124	10	22
1,2-Dichloroethane	40.0	43.7		ug/Kg		109	61 - 127	12	23
1,2-Dichloropropane	40.0	40.3		ug/Kg		101	72 - 122	7	20
1,2,4-Trichlorobenzene	40.0	46.3		ug/Kg		116	51 - 136	10	40
1,3-Dichlorobenzene	40.0	44.1		ug/Kg		110	75 - 118	7	20
1,4-Dichlorobenzene	40.0	43.9		ug/Kg		110	77 - 116	8	20
2-Butanone (MEK)	40.0	34.9		ug/Kg		87	35 - 149	9	36
2-Hexanone	40.0	40.4		ug/Kg		101	32 - 150	9	32
4-Methyl-2-pentanone (MIBK)	40.0	39.3		ug/Kg		98	44 - 148	15	30
Acetone	40.0	37.8		ug/Kg		95	20 - 150	7	40
Benzene	40.0	41.4		ug/Kg		104	77 - 120	9	20
Bromoform	40.0	37.2		ug/Kg		93	53 - 140	15	23
Bromomethane	40.0	56.4		ug/Kg		141	25 - 150	13	40
Carbon disulfide	40.0	37.8		ug/Kg		94	50 - 127	11	23
Carbon tetrachloride	40.0	40.9		ug/Kg		102	69 - 122	6	22

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-184812/4
Matrix: Solid
Analysis Batch: 184812

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene			40.0	43.5		ug/Kg		109	79 - 120	10	20
Chlorodibromomethane			40.0	38.0		ug/Kg		95	70 - 132	13	20
Chloroform			40.0	42.6		ug/Kg		106	72 - 120	11	25
Chloromethane			40.0	47.0		ug/Kg		117	44 - 131	13	27
Chloroethane			40.0	60.4	*	ug/Kg		151	22 - 150	12	40
cis-1,2-Dichloroethene			40.0	42.5		ug/Kg		106	80 - 118	14	20
cis-1,3-Dichloropropene			40.0	45.1		ug/Kg		113	73 - 120	9	20
Dichlorobromomethane			40.0	40.2		ug/Kg		100	70 - 125	8	21
Dichlorodifluoromethane			40.0	58.2		ug/Kg		145	25 - 150	10	34
Ethylbenzene			40.0	41.5		ug/Kg		104	78 - 125	8	21
1,2-Dibromoethane			40.0	41.3		ug/Kg		103	70 - 131	11	20
Cyclohexane			40.0	38.4		ug/Kg		96	64 - 130	8	21
Isopropylbenzene			40.0	42.2		ug/Kg		105	70 - 133	12	22
Methyl acetate			200	178		ug/Kg		89	27 - 142	9	40
Methyl tert-butyl ether			40.0	42.9		ug/Kg		107	48 - 132	12	36
Methylcyclohexane			40.0	41.4		ug/Kg		103	66 - 135	9	23
Methylene Chloride			40.0	38.2		ug/Kg		96	58 - 127	9	28
m-Xylene & p-Xylene			40.0	40.7		ug/Kg		102	75 - 126	9	21
o-Xylene			40.0	40.4		ug/Kg		101	83 - 127	11	20
Styrene			40.0	42.2		ug/Kg		106	83 - 129	10	20
Tetrachloroethene			40.0	43.4		ug/Kg		109	78 - 129	9	20
Toluene			40.0	41.3		ug/Kg		103	78 - 124	11	21
trans-1,2-Dichloroethene			40.0	41.4		ug/Kg		103	77 - 121	8	20
trans-1,3-Dichloropropene			40.0	43.2		ug/Kg		108	74 - 129	10	20
Trichloroethene			40.0	43.3		ug/Kg		108	76 - 119	9	21
Trichlorofluoromethane			40.0	49.5		ug/Kg		124	20 - 150	3	40
Vinyl chloride			40.0	46.9		ug/Kg		117	63 - 124	7	27
Xylenes, Total			80.0	81.1		ug/Kg		101	83 - 126	10	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*52 - 124*
4-Bromofluorobenzene (Surr)	*99*		*63 - 120*
Dibromofluoromethane (Surr)	*101*		*68 - 121*
Toluene-d8 (Surr)	*98*		*72 - 127*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 180-184503/1-A
Matrix: Solid
Analysis Batch: 184528

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 184503

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		6.7	0.64	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
Acenaphthylene	ND		6.7	0.76	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
Anthracene	ND		6.7	0.65	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
Benzo[a]anthracene	ND		6.7	0.84	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
Benzo[b]fluoranthene	ND		6.7	1.0	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
Benzo[k]fluoranthene	ND		6.7	1.3	ug/Kg		08/11/16 03:00	08/11/16 10:32	1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-184503/1-A
Matrix: Solid
Analysis Batch: 184528

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 184503

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		6.7	0.66	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
Benzo[a]pyrene	ND		6.7	0.67	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
Bis(2-chloroethoxy)methane	ND		33	2.2	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
Bis(2-chloroethyl)ether	ND		6.7	0.90	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
Bis(2-ethylhexyl) phthalate	ND		67	5.4	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
Butyl benzyl phthalate	ND		33	4.6	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
4-Bromophenyl phenyl ether	ND		33	2.9	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
4-Chloroaniline	ND		33	2.7	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
4-Chloro-3-methylphenol	ND		33	3.1	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
4-Chlorophenyl phenyl ether	ND		33	3.7	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
4,6-Dinitro-2-methylphenol	ND		170	13	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
Methylphenol, 3 & 4	ND		33	3.3	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
4-Nitroaniline	ND		170	14	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
4-Nitrophenol	ND		170	12	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
Carbazole	ND		6.7	0.61	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
Chrysene	ND		6.7	0.79	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
2-Chloronaphthalene	ND		6.7	0.70	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
2-Chlorophenol	ND		33	2.7	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
2,4-Dichlorophenol	ND		6.7	0.67	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
2,4-Dimethylphenol	ND		33	5.2	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
2,4-Dinitrophenol	ND		170	40	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
2,4-Dinitrotoluene	ND		33	2.7	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
2,6-Dinitrotoluene	ND		33	3.4	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
2-Methylnaphthalene	ND		6.7	0.60	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
2-Methylphenol	ND		33	2.3	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
2-Nitroaniline	ND		170	15	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
2-Nitrophenol	ND		33	3.7	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
2,2'-oxybis[1-chloropropane]	ND		6.7	0.72	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
2,4,6-Trichlorophenol	ND		33	5.0	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
2,4,5-Trichlorophenol	ND		33	3.6	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
Dibenz(a,h)anthracene	ND		6.7	0.74	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
Dibenzofuran	ND		33	3.3	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
Di-n-butyl phthalate	ND		33	4.2	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
Diethyl phthalate	ND		33	3.6	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
Dimethyl phthalate	ND		33	3.6	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
Di-n-octyl phthalate	ND		33	3.5	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
1,2-Dichlorobenzene	ND		33	3.5	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
1,3-Dichlorobenzene	ND		33	2.6	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
1,4-Dichlorobenzene	ND		33	2.4	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
1,2,4-Trichlorobenzene	ND		33	1.8	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
Fluoranthene	ND		6.7	0.71	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
Fluorene	ND		6.7	0.88	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
Hexachlorobenzene	ND		6.7	0.71	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
Hexachlorobutadiene	ND		6.7	0.75	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
Hexachlorocyclopentadiene	ND		33	3.6	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
Hexachloroethane	ND		33	2.4	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
Indeno[1,2,3-cd]pyrene	ND		6.7	0.69	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
Isophorone	ND		33	2.5	ug/Kg		08/11/16 03:00	08/11/16 10:32	1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 180-184503/1-A
Matrix: Solid
Analysis Batch: 184528

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 184503

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		6.7	0.58	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
Nitrobenzene	ND		67	2.8	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
N-Nitrosodiphenylamine	ND		33	3.1	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
N-Nitrosodi-n-propylamine	ND		6.7	0.78	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
Pentachlorophenol	ND		33	3.0	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
Phenanthrene	ND		6.7	1.1	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
Phenol	ND		6.7	0.79	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
Pyrene	ND		6.7	0.67	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
3,3'-Dichlorobenzidine	ND		33	3.5	ug/Kg		08/11/16 03:00	08/11/16 10:32	1
3-Nitroaniline	ND		170	14	ug/Kg		08/11/16 03:00	08/11/16 10:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*59*		*20 - 134*	*08/11/16 03:00*	*08/11/16 10:32*	*1*
2-Fluorobiphenyl	*53*		*42 - 100*	*08/11/16 03:00*	*08/11/16 10:32*	*1*
2-Fluorophenol (Surr)	*50*		*21 - 107*	*08/11/16 03:00*	*08/11/16 10:32*	*1*
Nitrobenzene-d5 (Surr)	*54*		*35 - 109*	*08/11/16 03:00*	*08/11/16 10:32*	*1*
Phenol-d5 (Surr)	*47*		*29 - 105*	*08/11/16 03:00*	*08/11/16 10:32*	*1*
Terphenyl-d14 (Surr)	*71*		*36 - 113*	*08/11/16 03:00*	*08/11/16 10:32*	*1*

Lab Sample ID: LCS 180-184503/2-A
Matrix: Solid
Analysis Batch: 184528

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 184503

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	667	500		ug/Kg		75	39 - 100
Acenaphthylene	667	511		ug/Kg		77	42 - 100
Anthracene	667	509		ug/Kg		76	43 - 100
Benzo[a]anthracene	667	500		ug/Kg		75	43 - 100
Benzo[b]fluoranthene	667	521		ug/Kg		78	40 - 100
Benzo[k]fluoranthene	667	536		ug/Kg		80	44 - 100
Benzo[g,h,i]perylene	667	494		ug/Kg		74	41 - 102
Benzo[a]pyrene	667	524		ug/Kg		79	43 - 100
Bis(2-chloroethoxy)methane	667	471		ug/Kg		71	39 - 100
Bis(2-chloroethyl)ether	667	460		ug/Kg		69	36 - 100
Bis(2-ethylhexyl) phthalate	667	618		ug/Kg		93	43 - 106
Butyl benzyl phthalate	667	619		ug/Kg		93	42 - 108
4-Bromophenyl phenyl ether	667	548		ug/Kg		82	44 - 100
4-Chloroaniline	667	443		ug/Kg		66	38 - 100
4-Chloro-3-methylphenol	667	484		ug/Kg		73	40 - 104
4-Chlorophenyl phenyl ether	667	481		ug/Kg		72	43 - 100
4,6-Dinitro-2-methylphenol	1330	1060		ug/Kg		79	45 - 102
Methylphenol, 3 & 4	667	432		ug/Kg		65	40 - 100
4-Nitroaniline	667	453		ug/Kg		68	33 - 115
4-Nitrophenol	1330	1120		ug/Kg		84	26 - 133
Carbazole	667	501		ug/Kg		75	42 - 100
Chrysene	667	479		ug/Kg		72	44 - 100
2-Chloronaphthalene	667	514		ug/Kg		77	39 - 100
2-Chlorophenol	667	468		ug/Kg		70	38 - 100

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 180-184503/2-A
Matrix: Solid
Analysis Batch: 184528

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 184503

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dichlorophenol	667	501		ug/Kg		75	40 - 100
2,4-Dimethylphenol	667	503		ug/Kg		75	38 - 100
2,4-Dinitrophenol	1330	945		ug/Kg		71	36 - 103
2,4-Dinitrotoluene	667	476		ug/Kg		71	42 - 110
2,6-Dinitrotoluene	667	500		ug/Kg		75	43 - 105
2-Methylnaphthalene	667	459		ug/Kg		69	39 - 100
2-Methylphenol	667	440		ug/Kg		66	38 - 100
2-Nitroaniline	667	545		ug/Kg		82	33 - 118
2-Nitrophenol	667	518		ug/Kg		78	40 - 103
2,2'-oxybis[1-chloropropane]	667	394		ug/Kg		59	23 - 104
2,4,6-Trichlorophenol	667	537		ug/Kg		81	41 - 103
2,4,5-Trichlorophenol	667	528		ug/Kg		79	42 - 100
Dibenz(a,h)anthracene	667	526		ug/Kg		79	40 - 104
Dibenzofuran	667	493		ug/Kg		74	42 - 100
Di-n-butyl phthalate	667	546		ug/Kg		82	44 - 105
Diethyl phthalate	667	491		ug/Kg		74	41 - 101
Dimethyl phthalate	667	500		ug/Kg		75	44 - 100
Di-n-octyl phthalate	667	574		ug/Kg		86	41 - 103
1,2-Dichlorobenzene	667	457		ug/Kg		69	37 - 100
1,3-Dichlorobenzene	667	468		ug/Kg		70	36 - 100
1,4-Dichlorobenzene	667	471		ug/Kg		71	36 - 100
1,2,4-Trichlorobenzene	667	504		ug/Kg		76	38 - 100
Fluoranthene	667	489		ug/Kg		73	41 - 104
Fluorene	667	485		ug/Kg		73	41 - 100
Hexachlorobenzene	667	563		ug/Kg		84	43 - 100
Hexachlorobutadiene	667	509		ug/Kg		76	35 - 100
Hexachlorocyclopentadiene	667	625		ug/Kg		94	32 - 102
Hexachloroethane	667	491		ug/Kg		74	35 - 100
Indeno[1,2,3-cd]pyrene	667	520		ug/Kg		78	41 - 104
Isophorone	667	478		ug/Kg		72	36 - 102
Naphthalene	667	467		ug/Kg		70	38 - 100
Nitrobenzene	667	525		ug/Kg		79	34 - 100
N-Nitrosodiphenylamine	667	535		ug/Kg		80	41 - 100
N-Nitrosodi-n-propylamine	667	442		ug/Kg		66	37 - 100
Pentachlorophenol	1330	1030		ug/Kg		78	34 - 102
Phenanthrene	667	518		ug/Kg		78	41 - 100
Phenol	667	455		ug/Kg		68	36 - 100
Pyrene	667	570		ug/Kg		85	42 - 100
3,3'-Dichlorobenzidine	667	468		ug/Kg		70	30 - 103
3-Nitroaniline	667	463		ug/Kg		69	42 - 105

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*58*		*20 - 134*
2-Fluorobiphenyl	*53*		*42 - 100*
2-Fluorophenol (Surr)	*54*		*21 - 107*
Nitrobenzene-d5 (Surr)	*55*		*35 - 109*
Phenol-d5 (Surr)	*48*		*29 - 105*
Terphenyl-d14 (Surr)	*60*		*36 - 113*

Lab Sample ID: 180-57326-2 MS
Matrix: Solid
Analysis Batch: 184528

Client Sample ID: CB-1 6-8'
Prep Type: Total/NA
Prep Batch: 184503

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		772	651		ug/Kg	☼	84	39 - 100
Acenaphthylene	ND		772	677		ug/Kg	☼	88	42 - 100
Anthracene	ND		772	690		ug/Kg	☼	89	43 - 100
Benzo[a]anthracene	ND		772	701		ug/Kg	☼	91	43 - 100
Benzo[b]fluoranthene	ND		772	717		ug/Kg	☼	93	40 - 100
Benzo[k]fluoranthene	ND		772	714		ug/Kg	☼	93	44 - 100
Benzo[g,h,i]perylene	ND		772	695		ug/Kg	☼	90	41 - 102
Benzo[a]pyrene	ND		772	708		ug/Kg	☼	92	43 - 100
Bis(2-chloroethoxy)methane	ND		772	633		ug/Kg	☼	82	39 - 100
Bis(2-chloroethyl)ether	ND		772	584		ug/Kg	☼	76	36 - 100
Bis(2-ethylhexyl) phthalate	240		772	978		ug/Kg	☼	95	43 - 106
Butyl benzyl phthalate	38	F1	772	895	F1	ug/Kg	☼	111	42 - 108
4-Bromophenyl phenyl ether	ND		772	735		ug/Kg	☼	95	44 - 100
4-Chloroaniline	ND		772	506		ug/Kg	☼	66	38 - 100
4-Chloro-3-methylphenol	ND		772	640		ug/Kg	☼	83	40 - 104
4-Chlorophenyl phenyl ether	ND		772	631		ug/Kg	☼	82	43 - 100
4,6-Dinitro-2-methylphenol	ND		1540	1450		ug/Kg	☼	94	45 - 102
Methylphenol, 3 & 4	ND		772	558		ug/Kg	☼	72	40 - 100
4-Nitroaniline	ND		772	603		ug/Kg	☼	78	33 - 115
4-Nitrophenol	ND		1540	1520		ug/Kg	☼	98	26 - 133
Carbazole	ND		772	681		ug/Kg	☼	88	42 - 100
Chrysene	ND		772	657		ug/Kg	☼	85	44 - 100
2-Chloronaphthalene	ND		772	673		ug/Kg	☼	87	39 - 100
2-Chlorophenol	ND		772	587		ug/Kg	☼	76	38 - 100
2,4-Dichlorophenol	ND		772	666		ug/Kg	☼	86	40 - 100
2,4-Dimethylphenol	ND		772	632		ug/Kg	☼	82	38 - 100
2,4-Dinitrophenol	ND		1540	1140		ug/Kg	☼	74	36 - 103
2,4-Dinitrotoluene	ND		772	643		ug/Kg	☼	83	42 - 110
2,6-Dinitrotoluene	ND		772	674		ug/Kg	☼	87	43 - 105
2-Methylnaphthalene	ND		772	603		ug/Kg	☼	78	39 - 100
2-Methylphenol	ND		772	577		ug/Kg	☼	75	38 - 100
2-Nitroaniline	ND		772	734		ug/Kg	☼	95	33 - 118
2-Nitrophenol	ND		772	675		ug/Kg	☼	87	40 - 103
2,2'-oxybis[1-chloropropane]	ND		772	511		ug/Kg	☼	66	23 - 104
2,4,6-Trichlorophenol	ND		772	704		ug/Kg	☼	91	41 - 103
2,4,5-Trichlorophenol	ND		772	687		ug/Kg	☼	89	42 - 100
Dibenz(a,h)anthracene	ND		772	748		ug/Kg	☼	97	40 - 104
Dibenzofuran	ND		772	645		ug/Kg	☼	83	42 - 100
Di-n-butyl phthalate	ND		772	742		ug/Kg	☼	96	44 - 105
Diethyl phthalate	ND		772	666		ug/Kg	☼	86	41 - 101
Dimethyl phthalate	ND		772	671		ug/Kg	☼	87	44 - 100
Di-n-octyl phthalate	ND	F1	772	825	F1	ug/Kg	☼	107	41 - 103
1,2-Dichlorobenzene	ND		772	570		ug/Kg	☼	74	37 - 100
1,3-Dichlorobenzene	ND		772	573		ug/Kg	☼	74	36 - 100
1,4-Dichlorobenzene	ND		772	576		ug/Kg	☼	75	36 - 100
1,2,4-Trichlorobenzene	ND		772	643		ug/Kg	☼	83	38 - 100
Fluoranthene	ND		772	666		ug/Kg	☼	86	41 - 104
Fluorene	ND		772	636		ug/Kg	☼	82	41 - 100
Hexachlorobenzene	ND		772	740		ug/Kg	☼	96	43 - 100
Hexachlorobutadiene	ND		772	653		ug/Kg	☼	85	35 - 100

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-57326-2 MS
Matrix: Solid
Analysis Batch: 184528

Client Sample ID: CB-1 6-8'
Prep Type: Total/NA
Prep Batch: 184503

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorocyclopentadiene	ND		772	752		ug/Kg	☼	97	32 - 102
Hexachloroethane	ND		772	603		ug/Kg	☼	78	35 - 100
Indeno[1,2,3-cd]pyrene	ND		772	749		ug/Kg	☼	97	41 - 104
Isophorone	ND		772	648		ug/Kg	☼	84	36 - 102
Naphthalene	ND		772	606		ug/Kg	☼	78	38 - 100
Nitrobenzene	ND		772	687		ug/Kg	☼	89	34 - 100
N-Nitrosodiphenylamine	ND		772	657		ug/Kg	☼	85	41 - 100
N-Nitrosodi-n-propylamine	ND		772	582		ug/Kg	☼	75	37 - 100
Pentachlorophenol	ND		1540	1300		ug/Kg	☼	84	34 - 102
Phenanthrene	ND		772	703		ug/Kg	☼	91	41 - 100
Phenol	ND		772	561		ug/Kg	☼	73	36 - 100
Pyrene	ND	F1	772	774		ug/Kg	☼	100	42 - 100
3,3'-Dichlorobenzidine	ND		772	488		ug/Kg	☼	63	30 - 103
3-Nitroaniline	ND		772	605		ug/Kg	☼	78	42 - 105

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*68*		*20 - 134*
2-Fluorobiphenyl	*60*		*42 - 100*
2-Fluorophenol (Surr)	*55*		*21 - 107*
Nitrobenzene-d5 (Surr)	*62*		*35 - 109*
Phenol-d5 (Surr)	*52*		*29 - 105*
Terphenyl-d14 (Surr)	*72*		*36 - 113*

Lab Sample ID: 180-57326-2 MSD
Matrix: Solid
Analysis Batch: 184528

Client Sample ID: CB-1 6-8'
Prep Type: Total/NA
Prep Batch: 184503

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		767	657		ug/Kg	☼	86	39 - 100	1	20
Acenaphthylene	ND		767	671		ug/Kg	☼	87	42 - 100	1	20
Anthracene	ND		767	678		ug/Kg	☼	88	43 - 100	2	20
Benzo[a]anthracene	ND		767	695		ug/Kg	☼	91	43 - 100	1	20
Benzo[b]fluoranthene	ND		767	711		ug/Kg	☼	93	40 - 100	1	20
Benzo[k]fluoranthene	ND		767	723		ug/Kg	☼	94	44 - 100	1	20
Benzo[g,h,i]perylene	ND		767	682		ug/Kg	☼	89	41 - 102	2	20
Benzo[a]pyrene	ND		767	696		ug/Kg	☼	91	43 - 100	2	20
Bis(2-chloroethoxy)methane	ND		767	622		ug/Kg	☼	81	39 - 100	2	20
Bis(2-chloroethyl)ether	ND		767	570		ug/Kg	☼	74	36 - 100	2	20
Bis(2-ethylhexyl) phthalate	240		767	982		ug/Kg	☼	97	43 - 106	0	20
Butyl benzyl phthalate	38	F1	767	881	F1	ug/Kg	☼	110	42 - 108	2	20
4-Bromophenyl phenyl ether	ND		767	721		ug/Kg	☼	94	44 - 100	2	20
4-Chloroaniline	ND		767	504		ug/Kg	☼	66	38 - 100	1	20
4-Chloro-3-methylphenol	ND		767	629		ug/Kg	☼	82	40 - 104	2	20
4-Chlorophenyl phenyl ether	ND		767	640		ug/Kg	☼	83	43 - 100	1	22
4,6-Dinitro-2-methylphenol	ND		1530	1430		ug/Kg	☼	93	45 - 102	2	20
Methylphenol, 3 & 4	ND		767	551		ug/Kg	☼	72	40 - 100	1	20
4-Nitroaniline	ND		767	604		ug/Kg	☼	79	33 - 115	0	20
4-Nitrophenol	ND		1530	1510		ug/Kg	☼	99	26 - 133	0	20

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-57326-2 MSD
Matrix: Solid
Analysis Batch: 184528

Client Sample ID: CB-1 6-8'
Prep Type: Total/NA
Prep Batch: 184503

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Carbazole	ND		767	666		ug/Kg	☼	87	42 - 100	2	20
Chrysene	ND		767	665		ug/Kg	☼	87	44 - 100	1	20
2-Chloronaphthalene	ND		767	687		ug/Kg	☼	90	39 - 100	2	20
2-Chlorophenol	ND		767	576		ug/Kg	☼	75	38 - 100	2	20
2,4-Dichlorophenol	ND		767	663		ug/Kg	☼	86	40 - 100	0	20
2,4-Dimethylphenol	ND		767	638		ug/Kg	☼	83	38 - 100	1	20
2,4-Dinitrophenol	ND		1530	1150		ug/Kg	☼	75	36 - 103	1	23
2,4-Dinitrotoluene	ND		767	648		ug/Kg	☼	84	42 - 110	1	21
2,6-Dinitrotoluene	ND		767	676		ug/Kg	☼	88	43 - 105	0	20
2-Methylnaphthalene	ND		767	597		ug/Kg	☼	78	39 - 100	1	21
2-Methylphenol	ND		767	564		ug/Kg	☼	73	38 - 100	2	20
2-Nitroaniline	ND		767	747		ug/Kg	☼	97	33 - 118	2	23
2-Nitrophenol	ND		767	681		ug/Kg	☼	89	40 - 103	1	22
2,2'-oxybis[1-chloropropane]	ND		767	497		ug/Kg	☼	65	23 - 104	3	20
2,4,6-Trichlorophenol	ND		767	738		ug/Kg	☼	96	41 - 103	5	25
2,4,5-Trichlorophenol	ND		767	677		ug/Kg	☼	88	42 - 100	1	22
Dibenz(a,h)anthracene	ND		767	745		ug/Kg	☼	97	40 - 104	0	26
Dibenzofuran	ND		767	655		ug/Kg	☼	85	42 - 100	2	23
Di-n-butyl phthalate	ND		767	726		ug/Kg	☼	95	44 - 105	2	20
Diethyl phthalate	ND		767	668		ug/Kg	☼	87	41 - 101	0	20
Dimethyl phthalate	ND		767	683		ug/Kg	☼	89	44 - 100	2	23
Di-n-octyl phthalate	ND	F1	767	803	F1	ug/Kg	☼	105	41 - 103	3	20
1,2-Dichlorobenzene	ND		767	554		ug/Kg	☼	72	37 - 100	3	20
1,3-Dichlorobenzene	ND		767	565		ug/Kg	☼	74	36 - 100	1	20
1,4-Dichlorobenzene	ND		767	567		ug/Kg	☼	74	36 - 100	2	20
1,2,4-Trichlorobenzene	ND		767	639		ug/Kg	☼	83	38 - 100	1	20
Fluoranthene	ND		767	653		ug/Kg	☼	85	41 - 104	2	20
Fluorene	ND		767	644		ug/Kg	☼	84	41 - 100	1	21
Hexachlorobenzene	ND		767	742		ug/Kg	☼	97	43 - 100	0	21
Hexachlorobutadiene	ND		767	637		ug/Kg	☼	83	35 - 100	2	20
Hexachlorocyclopentadiene	ND		767	770		ug/Kg	☼	100	32 - 102	2	30
Hexachloroethane	ND		767	590		ug/Kg	☼	77	35 - 100	2	20
Indeno[1,2,3-cd]pyrene	ND		767	735		ug/Kg	☼	96	41 - 104	2	25
Isophorone	ND		767	641		ug/Kg	☼	84	36 - 102	1	20
Naphthalene	ND		767	602		ug/Kg	☼	78	38 - 100	1	20
Nitrobenzene	ND		767	687		ug/Kg	☼	90	34 - 100	0	20
N-Nitrosodiphenylamine	ND		767	651		ug/Kg	☼	85	41 - 100	1	20
N-Nitrosodi-n-propylamine	ND		767	572		ug/Kg	☼	75	37 - 100	2	20
Pentachlorophenol	ND		1530	1270		ug/Kg	☼	83	34 - 102	2	20
Phenanthrene	ND		767	697		ug/Kg	☼	91	41 - 100	1	20
Phenol	ND		767	552		ug/Kg	☼	72	36 - 100	2	20
Pyrene	ND	F1	767	778	F1	ug/Kg	☼	101	42 - 100	1	21
3,3'-Dichlorobenzidine	ND		767	486		ug/Kg	☼	63	30 - 103	0	21
3-Nitroaniline	ND		767	612		ug/Kg	☼	80	42 - 105	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*69*		*20 - 134*
2-Fluorobiphenyl	*62*		*42 - 100*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 180-57326-2 MSD
Matrix: Solid
Analysis Batch: 184528

Client Sample ID: CB-1 6-8'
Prep Type: Total/NA
Prep Batch: 184503

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorophenol (Surr)	*55*		*21 - 107*
Nitrobenzene-d5 (Surr)	*62*		*35 - 109*
Phenol-d5 (Surr)	*52*		*29 - 105*
Terphenyl-d14 (Surr)	*73*		*36 - 113*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 180-184379/1-A
Matrix: Solid
Analysis Batch: 184810

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 184379

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.48	0.16	mg/Kg		08/10/16 07:17	08/12/16 10:49	1
Arsenic	ND		0.96	0.42	mg/Kg		08/10/16 07:17	08/12/16 10:49	1
Antimony	ND		0.96	0.34	mg/Kg		08/10/16 07:17	08/12/16 10:49	1
Beryllium	ND		0.38	0.10	mg/Kg		08/10/16 07:17	08/12/16 10:49	1
Cadmium	ND		0.48	0.11	mg/Kg		08/10/16 07:17	08/12/16 10:49	1
Chromium	ND		0.48	0.12	mg/Kg		08/10/16 07:17	08/12/16 10:49	1
Copper	ND		2.4	0.74	mg/Kg		08/10/16 07:17	08/12/16 10:49	1
Lead	ND		0.96	0.32	mg/Kg		08/10/16 07:17	08/12/16 10:49	1
Nickel	ND		3.8	0.16	mg/Kg		08/10/16 07:17	08/12/16 10:49	1
Selenium	ND		0.96	0.38	mg/Kg		08/10/16 07:17	08/12/16 10:49	1
Thallium	ND		1.9	0.48	mg/Kg		08/10/16 07:17	08/12/16 10:49	1
Zinc	ND		1.9	0.98	mg/Kg		08/10/16 07:17	08/12/16 10:49	1
Vanadium	ND		4.8	1.5	mg/Kg		08/10/16 07:17	08/12/16 10:49	1
Cobalt	ND		4.8	1.1	mg/Kg		08/10/16 07:17	08/12/16 10:49	1

Lab Sample ID: LCS 180-184379/2-A
Matrix: Solid
Analysis Batch: 184810

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 184379

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	4.85	4.59		mg/Kg		95	80 - 120
Arsenic	48.5	48.2		mg/Kg		99	80 - 120
Antimony	48.5	50.5		mg/Kg		104	80 - 120
Beryllium	4.85	4.93		mg/Kg		102	80 - 120
Cadmium	4.85	4.91		mg/Kg		101	80 - 120
Chromium	19.4	19.4		mg/Kg		100	80 - 120
Copper	24.3	23.4		mg/Kg		97	80 - 120
Lead	48.5	48.0		mg/Kg		99	80 - 120
Nickel	48.5	48.6		mg/Kg		100	80 - 120
Selenium	48.5	49.5		mg/Kg		102	80 - 120
Thallium	48.5	46.4		mg/Kg		96	80 - 120
Zinc	48.5	48.5		mg/Kg		100	80 - 120
Vanadium	48.5	50.3		mg/Kg		104	80 - 120
Cobalt	48.5	48.9		mg/Kg		101	80 - 120

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-57326-1 MS
Matrix: Solid
Analysis Batch: 184810

Client Sample ID: CB-1 2-4'
Prep Type: Total/NA
Prep Batch: 184379

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	ND		5.36	4.68		mg/Kg	☼	87	75 - 125
Arsenic	4.1		53.6	53.6		mg/Kg	☼	92	75 - 125
Antimony	ND		53.6	45.1		mg/Kg	☼	84	75 - 125
Beryllium	0.30	J	5.36	5.63		mg/Kg	☼	99	75 - 125
Cadmium	0.22	J	5.36	5.19		mg/Kg	☼	93	75 - 125
Chromium	6.0		21.4	29.9		mg/Kg	☼	112	75 - 125
Copper	6.5		26.8	31.4		mg/Kg	☼	93	75 - 125
Lead	4.4		53.6	56.0		mg/Kg	☼	96	75 - 125
Nickel	5.7		53.6	63.6		mg/Kg	☼	108	75 - 125
Selenium	0.47	J	53.6	50.3		mg/Kg	☼	93	75 - 125
Thallium	ND		53.6	49.5		mg/Kg	☼	92	75 - 125
Zinc	26	F1	53.6	80.9		mg/Kg	☼	102	75 - 125
Vanadium	13		53.6	68.9		mg/Kg	☼	105	75 - 125
Cobalt	6.1		53.6	59.8		mg/Kg	☼	100	75 - 125

Lab Sample ID: 180-57326-1 MSD
Matrix: Solid
Analysis Batch: 184810

Client Sample ID: CB-1 2-4'
Prep Type: Total/NA
Prep Batch: 184379

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	ND		4.89	4.11		mg/Kg	☼	84	75 - 125	13	20
Arsenic	4.1		48.9	49.8	^	mg/Kg	☼	93	75 - 125	7	20
Antimony	ND		48.9	40.0		mg/Kg	☼	82	75 - 125	12	20
Beryllium	0.30	J	4.89	5.14		mg/Kg	☼	99	75 - 125	9	20
Cadmium	0.22	J	4.89	4.71		mg/Kg	☼	92	75 - 125	10	20
Chromium	6.0		19.6	28.4		mg/Kg	☼	114	75 - 125	5	20
Copper	6.5		24.4	29.8		mg/Kg	☼	95	75 - 125	5	20
Lead	4.4		48.9	51.7		mg/Kg	☼	97	75 - 125	8	20
Nickel	5.7		48.9	58.2		mg/Kg	☼	107	75 - 125	9	20
Selenium	0.47	J	48.9	45.8		mg/Kg	☼	93	75 - 125	9	20
Thallium	ND		48.9	44.5		mg/Kg	☼	91	75 - 125	11	20
Zinc	26	F1	48.9	90.2	F1	mg/Kg	☼	132	75 - 125	11	20
Vanadium	13		48.9	65.4		mg/Kg	☼	108	75 - 125	5	20
Cobalt	6.1		48.9	57.7		mg/Kg	☼	105	75 - 125	4	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-184260/1-A
Matrix: Solid
Analysis Batch: 184436

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 184260

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.0074	mg/Kg		08/09/16 09:02	08/10/16 10:33	1

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 180-184260/2-A
Matrix: Solid
Analysis Batch: 184436

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 184260

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.417	0.411		mg/Kg		99	80 - 120

Method: 2540G - SM 2540G

Lab Sample ID: 180-57326-1 DU
Matrix: Solid
Analysis Batch: 184435

Client Sample ID: CB-1 2-4'
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	10.3		9.7		%		6	20
Percent Solids	89.7		90.3		%		0.7	20

GC/MS VOA

Analysis Batch: 184751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-57326-1	CB-1 2-4'	Total/NA	Solid	8260C	184758
180-57326-2	CB-1 6-8'	Total/NA	Solid	8260C	184758
180-57326-3	CB-2 0-4'	Total/NA	Solid	8260C	184758
180-57326-5	CB-4 0-2'	Total/NA	Solid	8260C	184758
MB 180-184758/1-A	Method Blank	Total/NA	Solid	8260C	184758
LCS 180-184758/2-A	Lab Control Sample	Total/NA	Solid	8260C	184758

Prep Batch: 184758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-57326-1	CB-1 2-4'	Total/NA	Solid	5035	
180-57326-2	CB-1 6-8'	Total/NA	Solid	5035	
180-57326-3	CB-2 0-4'	Total/NA	Solid	5035	
180-57326-5	CB-4 0-2'	Total/NA	Solid	5035	
MB 180-184758/1-A	Method Blank	Total/NA	Solid	5035	
LCS 180-184758/2-A	Lab Control Sample	Total/NA	Solid	5035	

Analysis Batch: 184793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-57326-4	CB-2 6-8'	Total/NA	Solid	8260C	184795
180-57326-7	CB-5 4-6'	Total/NA	Solid	8260C	184795
180-57326-8	CB-5 10-11.5	Total/NA	Solid	8260C	184795
180-57326-9	CB-6 0-2'	Total/NA	Solid	8260C	184795
180-57326-10	CB-6 10-12'	Total/NA	Solid	8260C	184795
180-57326-11	CB-7 0-4'	Total/NA	Solid	8260C	184795
180-57326-12	CB-8 0-2'	Total/NA	Solid	8260C	184795
180-57326-13	CB-8 2-4'	Total/NA	Solid	8260C	184795
MB 180-184795/1-A	Method Blank	Total/NA	Solid	8260C	184795
LCS 180-184795/2-A	Lab Control Sample	Total/NA	Solid	8260C	184795

Prep Batch: 184795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-57326-4	CB-2 6-8'	Total/NA	Solid	5035	
180-57326-7	CB-5 4-6'	Total/NA	Solid	5035	
180-57326-8	CB-5 10-11.5	Total/NA	Solid	5035	
180-57326-9	CB-6 0-2'	Total/NA	Solid	5035	
180-57326-10	CB-6 10-12'	Total/NA	Solid	5035	
180-57326-11	CB-7 0-4'	Total/NA	Solid	5035	
180-57326-12	CB-8 0-2'	Total/NA	Solid	5035	
180-57326-13	CB-8 2-4'	Total/NA	Solid	5035	
MB 180-184795/1-A	Method Blank	Total/NA	Solid	5035	
LCS 180-184795/2-A	Lab Control Sample	Total/NA	Solid	5035	

Analysis Batch: 184812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-57326-6	CB-4 4-8'	Total/NA	Solid	8260C	184818
MB 180-184812/6	Method Blank	Total/NA	Solid	8260C	
LCS 180-184812/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 180-184812/4	Lab Control Sample Dup	Total/NA	Solid	8260C	

GC/MS VOA (Continued)

Prep Batch: 184818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-57326-6	CB-4 4-8'	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 184503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-57326-1	CB-1 2-4'	Total/NA	Solid	3541	
180-57326-2	CB-1 6-8'	Total/NA	Solid	3541	
180-57326-3	CB-2 0-4'	Total/NA	Solid	3541	
180-57326-4	CB-2 6-8'	Total/NA	Solid	3541	
180-57326-5	CB-4 0-2'	Total/NA	Solid	3541	
180-57326-6	CB-4 4-8'	Total/NA	Solid	3541	
180-57326-7	CB-5 4-6'	Total/NA	Solid	3541	
180-57326-8	CB-5 10-11.5	Total/NA	Solid	3541	
180-57326-9	CB-6 0-2'	Total/NA	Solid	3541	
180-57326-10	CB-6 10-12'	Total/NA	Solid	3541	
180-57326-11	CB-7 0-4'	Total/NA	Solid	3541	
180-57326-12	CB-8 0-2'	Total/NA	Solid	3541	
180-57326-13	CB-8 2-4'	Total/NA	Solid	3541	
MB 180-184503/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-184503/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-57326-2 MS	CB-1 6-8'	Total/NA	Solid	3541	
180-57326-2 MSD	CB-1 6-8'	Total/NA	Solid	3541	

Analysis Batch: 184528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-57326-1	CB-1 2-4'	Total/NA	Solid	8270D LL	184503
180-57326-2	CB-1 6-8'	Total/NA	Solid	8270D LL	184503
180-57326-3	CB-2 0-4'	Total/NA	Solid	8270D LL	184503
180-57326-4	CB-2 6-8'	Total/NA	Solid	8270D LL	184503
180-57326-5	CB-4 0-2'	Total/NA	Solid	8270D LL	184503
180-57326-6	CB-4 4-8'	Total/NA	Solid	8270D LL	184503
180-57326-7	CB-5 4-6'	Total/NA	Solid	8270D LL	184503
180-57326-8	CB-5 10-11.5	Total/NA	Solid	8270D LL	184503
180-57326-9	CB-6 0-2'	Total/NA	Solid	8270D LL	184503
180-57326-10	CB-6 10-12'	Total/NA	Solid	8270D LL	184503
180-57326-11	CB-7 0-4'	Total/NA	Solid	8270D LL	184503
180-57326-12	CB-8 0-2'	Total/NA	Solid	8270D LL	184503
180-57326-13	CB-8 2-4'	Total/NA	Solid	8270D LL	184503
MB 180-184503/1-A	Method Blank	Total/NA	Solid	8270D LL	184503
LCS 180-184503/2-A	Lab Control Sample	Total/NA	Solid	8270D LL	184503
180-57326-2 MS	CB-1 6-8'	Total/NA	Solid	8270D LL	184503
180-57326-2 MSD	CB-1 6-8'	Total/NA	Solid	8270D LL	184503

Metals

Prep Batch: 184260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-57326-1	CB-1 2-4'	Total/NA	Solid	7471B	
180-57326-2	CB-1 6-8'	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 184260 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-57326-3	CB-2 0-4'	Total/NA	Solid	7471B	
180-57326-4	CB-2 6-8'	Total/NA	Solid	7471B	
180-57326-5	CB-4 0-2'	Total/NA	Solid	7471B	
180-57326-6	CB-4 4-8'	Total/NA	Solid	7471B	
180-57326-7	CB-5 4-6'	Total/NA	Solid	7471B	
180-57326-8	CB-5 10-11.5	Total/NA	Solid	7471B	
180-57326-9	CB-6 0-2'	Total/NA	Solid	7471B	
180-57326-10	CB-6 10-12'	Total/NA	Solid	7471B	
180-57326-11	CB-7 0-4'	Total/NA	Solid	7471B	
180-57326-12	CB-8 0-2'	Total/NA	Solid	7471B	
180-57326-13	CB-8 2-4'	Total/NA	Solid	7471B	
MB 180-184260/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-184260/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Prep Batch: 184379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-57326-1	CB-1 2-4'	Total/NA	Solid	3050B	
180-57326-2	CB-1 6-8'	Total/NA	Solid	3050B	
180-57326-3	CB-2 0-4'	Total/NA	Solid	3050B	
180-57326-4	CB-2 6-8'	Total/NA	Solid	3050B	
180-57326-5	CB-4 0-2'	Total/NA	Solid	3050B	
180-57326-6	CB-4 4-8'	Total/NA	Solid	3050B	
180-57326-7	CB-5 4-6'	Total/NA	Solid	3050B	
180-57326-8	CB-5 10-11.5	Total/NA	Solid	3050B	
180-57326-9	CB-6 0-2'	Total/NA	Solid	3050B	
180-57326-10	CB-6 10-12'	Total/NA	Solid	3050B	
180-57326-11	CB-7 0-4'	Total/NA	Solid	3050B	
180-57326-12	CB-8 0-2'	Total/NA	Solid	3050B	
180-57326-13	CB-8 2-4'	Total/NA	Solid	3050B	
MB 180-184379/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-184379/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-57326-1 MS	CB-1 2-4'	Total/NA	Solid	3050B	
180-57326-1 MSD	CB-1 2-4'	Total/NA	Solid	3050B	

Analysis Batch: 184436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-57326-1	CB-1 2-4'	Total/NA	Solid	7471B	184260
180-57326-2	CB-1 6-8'	Total/NA	Solid	7471B	184260
180-57326-3	CB-2 0-4'	Total/NA	Solid	7471B	184260
180-57326-4	CB-2 6-8'	Total/NA	Solid	7471B	184260
180-57326-5	CB-4 0-2'	Total/NA	Solid	7471B	184260
180-57326-6	CB-4 4-8'	Total/NA	Solid	7471B	184260
180-57326-7	CB-5 4-6'	Total/NA	Solid	7471B	184260
180-57326-8	CB-5 10-11.5	Total/NA	Solid	7471B	184260
180-57326-9	CB-6 0-2'	Total/NA	Solid	7471B	184260
180-57326-10	CB-6 10-12'	Total/NA	Solid	7471B	184260
180-57326-11	CB-7 0-4'	Total/NA	Solid	7471B	184260
180-57326-12	CB-8 0-2'	Total/NA	Solid	7471B	184260
180-57326-13	CB-8 2-4'	Total/NA	Solid	7471B	184260
MB 180-184260/1-A	Method Blank	Total/NA	Solid	7471B	184260
LCS 180-184260/2-A	Lab Control Sample	Total/NA	Solid	7471B	184260

QC Association Summary

Client: Chester Engineers, Inc.
Project/Site: Lexington Tech Park

TestAmerica Job ID: 180-57326-1

Analysis Batch: 184810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-57326-1	CB-1 2-4'	Total/NA	Solid	6010C	184379
180-57326-2	CB-1 6-8'	Total/NA	Solid	6010C	184379
180-57326-3	CB-2 0-4'	Total/NA	Solid	6010C	184379
180-57326-4	CB-2 6-8'	Total/NA	Solid	6010C	184379
180-57326-5	CB-4 0-2'	Total/NA	Solid	6010C	184379
180-57326-6	CB-4 4-8'	Total/NA	Solid	6010C	184379
180-57326-7	CB-5 4-6'	Total/NA	Solid	6010C	184379
180-57326-8	CB-5 10-11.5	Total/NA	Solid	6010C	184379
180-57326-9	CB-6 0-2'	Total/NA	Solid	6010C	184379
180-57326-10	CB-6 10-12'	Total/NA	Solid	6010C	184379
180-57326-11	CB-7 0-4'	Total/NA	Solid	6010C	184379
180-57326-12	CB-8 0-2'	Total/NA	Solid	6010C	184379
180-57326-13	CB-8 2-4'	Total/NA	Solid	6010C	184379
MB 180-184379/1-A	Method Blank	Total/NA	Solid	6010C	184379
LCS 180-184379/2-A	Lab Control Sample	Total/NA	Solid	6010C	184379
180-57326-1 MS	CB-1 2-4'	Total/NA	Solid	6010C	184379
180-57326-1 MSD	CB-1 2-4'	Total/NA	Solid	6010C	184379

General Chemistry

Analysis Batch: 184435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-57326-1	CB-1 2-4'	Total/NA	Solid	2540G	
180-57326-2	CB-1 6-8'	Total/NA	Solid	2540G	
180-57326-3	CB-2 0-4'	Total/NA	Solid	2540G	
180-57326-4	CB-2 6-8'	Total/NA	Solid	2540G	
180-57326-5	CB-4 0-2'	Total/NA	Solid	2540G	
180-57326-6	CB-4 4-8'	Total/NA	Solid	2540G	
180-57326-7	CB-5 4-6'	Total/NA	Solid	2540G	
180-57326-8	CB-5 10-11.5	Total/NA	Solid	2540G	
180-57326-9	CB-6 0-2'	Total/NA	Solid	2540G	
180-57326-10	CB-6 10-12'	Total/NA	Solid	2540G	
180-57326-11	CB-7 0-4'	Total/NA	Solid	2540G	
180-57326-12	CB-8 0-2'	Total/NA	Solid	2540G	
180-57326-13	CB-8 2-4'	Total/NA	Solid	2540G	
180-57326-1 DU	CB-1 2-4'	Total/NA	Solid	2540G	

TestAmerica Pittsburgh

301 Alpha Drive

Pittsburgh, PA 15238
Phone: 412.963.7058 Fax: 412.963.2470

Chain of Custody Record

146510

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other:

Client Contact	Project Manager: Doug Dusbiber	Site Contact: C. Miller	Date: 8-8-16	COC No: 0816-01
Company Name: Chester Engineers	Tel/Fax: 412 809-6718	Lab Contact: V. Bortot	Carrier: Chester	1 of 2 COCs
Address: 1555 Coraopolis Hts Rd	Analysis Turnaround Time			Sampler:
City/State/Zip: Moon Twp. PA 15108	☒ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 412 809-6718	TAT if different from Below _____			Walk-in Client:
Fax: 412 809-6611	☒ 2 weeks			Lab Sampling:
Project Name: Lexington Tech. Park	☐ 1 week			Job / SDG No.:
Site: " " "	☐ 2 days			
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCL VOCs	TCL SVOCs	TAL Metals	Sample Specific Notes:
CB-1 2-4'	8/8/16	0925	G	S	6	N	N	X	X	X	
CB-1 6-8'		0935									
CB-2 0-4'		1020									
CB-2 6-8'		1030									
CB-4 0-2'		1220									
CB-4 4-8'		1225									
CB-5 4-6'		1320									
CB-5 10-11.5		1330									
CB-6 0-2'		1510									
CB-6 10-12'		1530									
CB-7 0-4'		1425									
CB-8 0-2'		1615									

180-57326 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 3.5/3.2 Corr'd: 3.5/3.2 Therm ID No.: 6

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Douglas Dusbiber	Chester	8/9/16 0845	[signature]	TAA	8/5/16 0845
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

TestAmerica Pittsburgh

301 Alpha Drive

Pittsburgh, PA 15238
Phone: 412.963.7058 Fax: 412.963.2470

Chain of Custody Record

146511

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other:

Client Contact	Project Manager: Doug Dusbiber	Site Contact: C. Miller	Date: 8/8/16	COC No: 0816-01
Company Name: Chester Engineers	Tel/Fax: 412 809-6718	Lab Contact: V. Bortot	Carrier: Chester	2 of 2 COCs
Address: 1555 Coraopolis Hts Rd.	Analysis Turnaround Time			Sampler:
City/State/Zip: Moon Twp. PA 15108	☒ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 412 809-6718	TAT if different from Below _____			Walk-in Client:
Fax: 412 809-6611	☒ 2 weeks			Lab Sampling:
Project Name: Lexington Tech. Park	☐ 1 week			
Site: " " "	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCL VOCs	TCL SVOCs	TAL Metals	Sample Specific Notes:
CB-8 ~~2-4'~~ 2-4'	8/8/16	1625	G	S	6	N	N	X	X	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 3.5/1.2 Corr'd: 3.5/1.2 Therm ID No.: 6

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Doug L Dusbiber	Chester	8/9/16 1045		TAP-A	8/9/16 0845
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Login Sample Receipt Checklist

Client: Chester Engineers, Inc.

Job Number: 180-57326-1

Login Number: 57326
List Number: 1
Creator: Neri, Tom

List Source: TestAmerica Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	