

● Lexington Technology Park

Summary of Site Investigation Activities for Western-Most Portion of Property Related to Possible Future Development and Residential Use

September 2016

Introduction

On behalf of the Urban Redevelopment Authority of Pittsburgh (URA), Chester Engineers (Chester) recently completed site investigation activities in order to determine the current environmental status of certain portions of the Lexington Technology Park property. Currently, 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 as Medium Specific Concentrations (MSCs).

As described in our meeting on June 22, 2016 at DEP offices (and in the July 2016 Supplemental Site Characterization Work Plan submitted to DEP), the URA is interested in possibly removing the western-most portion of the property (see Figure 1, attached) from the remaining deed restricted area proposed in the Final Report (accepted by PADEP), dated February 7, 2005. There is interest on the part of URA in subdividing this western-most parcel and releasing it to developers for residential development assuming it can be removed from the proposed deed restricted area. 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. 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.

Background Information

Review DEP Project Files

Historical reports indicated that three soil borings were performed in the area of interest on the western-most portions of the property. Chester completed an informal review of DEP files on June 30, 2016 and was able to determine that the historical borings SB-A, SB-B, and SB-C were actually 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 (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 unusual 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 1).

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 1. 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 boring CB-7 was not able to penetrate below 6' and thus a native material sample was not able to be collected.

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 within the saturated zone. 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.

Soil Quality Assessment

Because the intended future use of the site is for residential housing, the residential MSCs have been 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.

It should be noted that many 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. Also, 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. Thus, for the time being, the health-based driver should be the MSC values.

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 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, we believe that the arsenic, cobalt, and vanadium concentrations which exceed their respective Act 2 MSC and/or clean fill limits are indicative of background conditions and do not warrant remedial consideration or land use restriction. Additionally, arsenic and vanadium are also 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. Therefore, 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. The residential area is also 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 and also does not warrant remedial consideration or land use restriction. As a note, cadmium is typically present in the Pittsburgh coal at concentrations substantially lower than Act 2 MSC levels.

● Figure 1



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1 inch = 100 feet

Lexington Technology Park
Soil Boring Locations
Figure 1



Legend
● Chester Boring Location
● Historic Composite Sample Location
● Historic Monitor Well (Abandoned)
□ Property of Interest

● Tables



Table 1
Lexington Technology Park
Pittsburgh, Pennsylvania

Soil Boring Data - Soil Samples VOC Results

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		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-7 0-2' (fill)	CB-8 0-2' (fill)	CB-8 2-4' (native)
		Direct Contact Residential 0 - 15'	Soil-to-Groundwater Residential															
1,2,4-Trichlorobenzene	ug/Kg	2200000	27000	27000	ND	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	ND
1,3-Dichlorobenzene	ug/Kg	10000000	61000	61000	ND	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	ND
2,2'-oxybis[1-chloropropane]	ug/Kg	44000	30000	NA	ND	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	ND
2,4,6-Trichlorophenol	ug/Kg	220000	12000	3100	ND	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	ND
2,4-Dimethylphenol	ug/Kg	4400000	83000	32000	ND	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	ND
2,4-Dinitrotoluene	ug/Kg	60000	240	50	ND	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	ND
2-Chloronaphthalene	ug/Kg	18000000	7000000	6200000	ND	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	ND
2-Methylnaphthalene	ug/Kg	880000	680000	2900000	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	72	J	37	2.5
2-Methylphenol	ug/Kg	11000	180000	64000	ND	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	ND
2-Nitrophenol	ug/Kg	1800000	33000	5900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ug/Kg	4100	8800	8300	ND	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	ND
4,6-Dinitro-2-methylphenol	ug/Kg	22000	370	NA	ND	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	ND
4-Chloro-3-methylphenol	ug/Kg	1100000	37000	37000	ND	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	ND
4-Chlorophenyl phenyl ether	ug/Kg	NA	NA	NA	ND	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	ND
4-Nitrophenol	ug/Kg	1800000	6000	4100	ND	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
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	5.6	J	ND	69	J	70
Benz[a]anthracene	ug/Kg	6000	28000	25000	7.1	J	ND	5.8	J	ND	32	J	7.4	ND	33	ND	430	250
Benz[a]pyrene	ug/Kg	580	46000	2500	8.4	ND	8.5	ND	56	J	10	ND	ND	49	ND	430	240	18
Benz[b]fluoranthene	ug/Kg	3500	26000	25000	13	ND	12	ND	97	19	ND	ND	63	ND	650	380	25	ND
Benz[g,h,i]perylene	ug/Kg	13000000	180000	180000	6.5	J	ND	7.9	J	ND	73	J	12	ND	51	ND	370	210
Benz[k]fluoranthene	ug/Kg	4000	210000	250000	4.4	J	ND	5.4	J	ND	26	J	5.4	J	ND	21	ND	220
Bis(2-chloroethoxy)methane	ug/Kg	660000	13000	NA	ND	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	ND
Bis(2-ethylhexyl) phthalate	ug/Kg	1300000	130000	130000	300	240	93	ND	ND	ND	ND	ND	10	J	ND	ND	55	J
Butyl benzyl phthalate	ug/Kg	9800000	3200000	10000000	36	J	38	23	J	5.5	J	ND	5.6	J	ND	7.3	J	ND
Carbazole	ug/Kg	930000	24000	21000	ND	ND	ND	ND	ND	ND	ND	ND	3.2	J	ND	29	J	34
Chrysene	ug/Kg	35000	230000	230000	8.7	ND	7.5	J	ND	57	J	13	ND	ND	40	ND	430	250
Dibenz(a,h)anthracene	ug/Kg	1000	25000	2500	ND	2.0	J	ND	12	J	23	J	ND	9.9	ND	99	61	3.9
Dibenzofuran	ug/Kg	220000	110000	NA	ND	ND	ND	ND	ND	ND	ND	ND	4.3	J	ND	39	ND	ND
Diethyl phthalate	ug/Kg	10000000	3300000	160000	ND	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	ND
Di-n-butyl phthalate	ug/Kg	10000000	1700000	15														

Table 3
Lexington Technology Park
Pittsburgh, Pennsylvania

Soil Boring Data - Soil Samples
Metal Results

Parameter	Units	Act 2 Medium Specific Concentration		Table FP-1b													
		Direct Contact Residential 0 - 15'	Soil-to-Groundwater Residential	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)
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



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PLATE I.

Brisbane.



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1904

453°

438

439

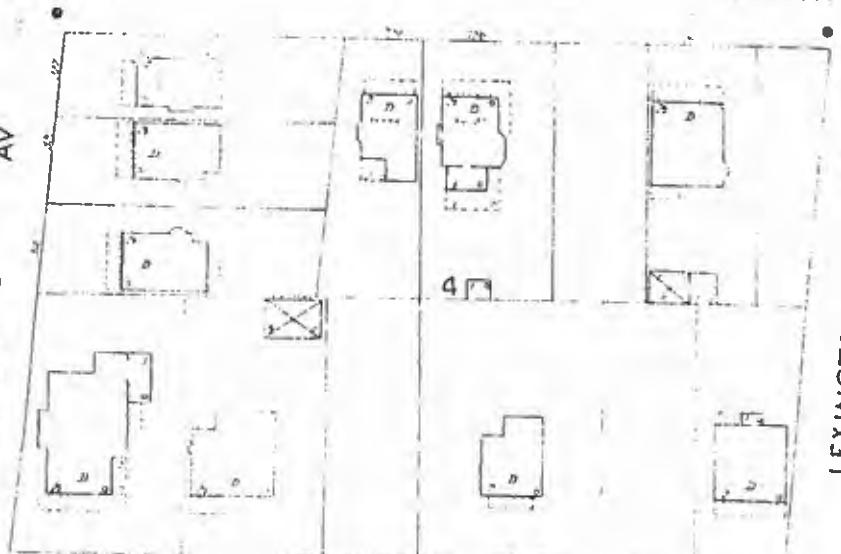
JEANNETTE



MC PHERSON

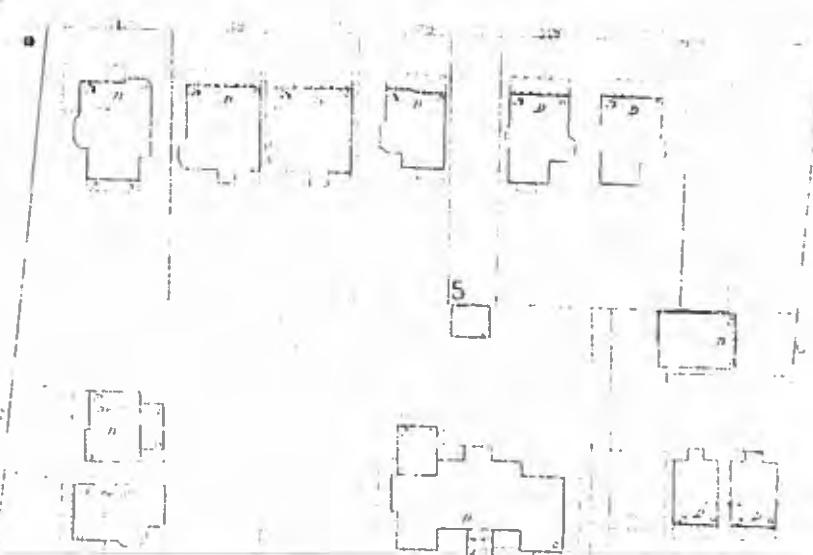
452

HOMewood



LEXINGTON AV

THOMAS



MEADE

470

DUNFERMLINE

2

3

NOT DRAFTED

6

NOT DRAFTED

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SANBORN

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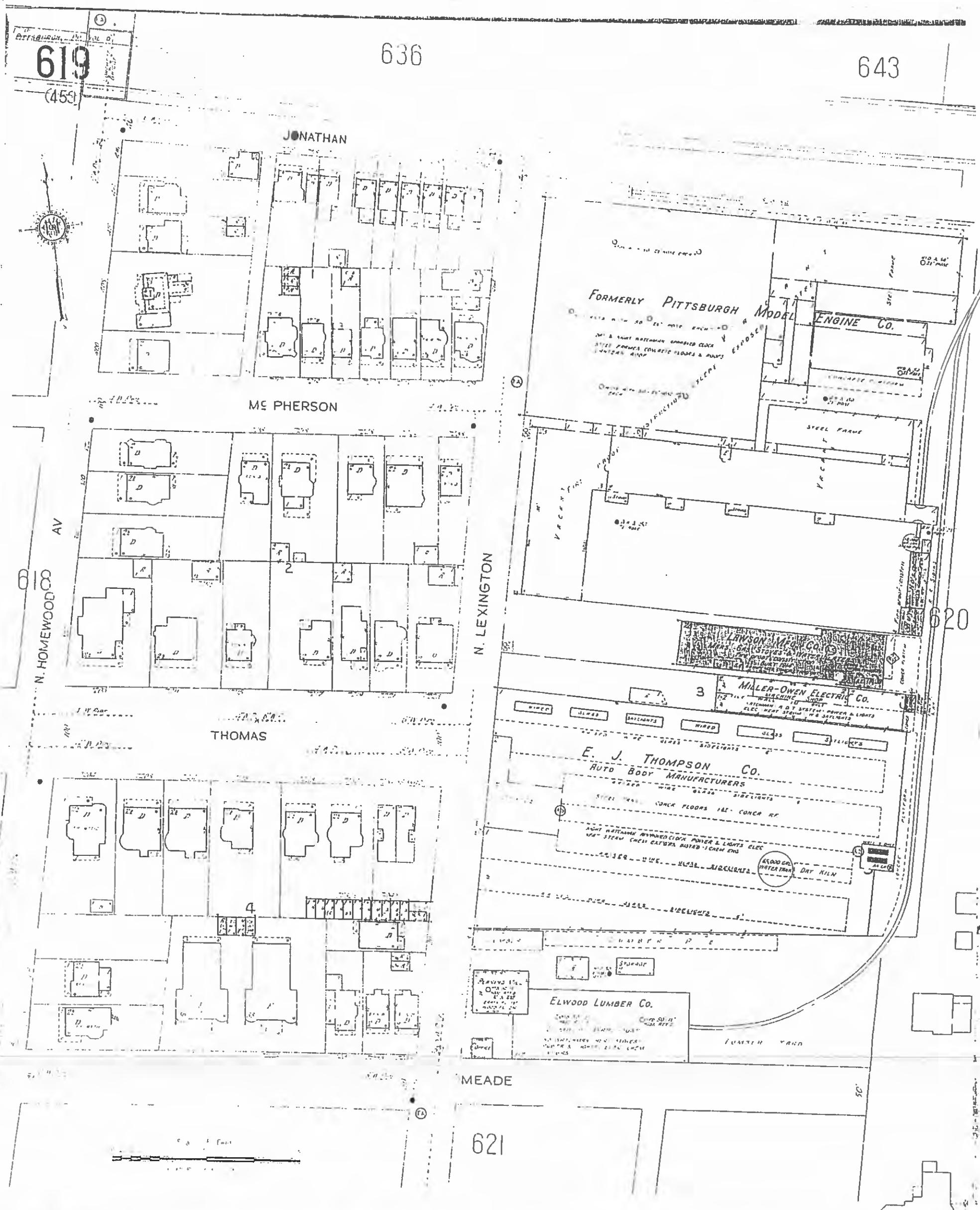


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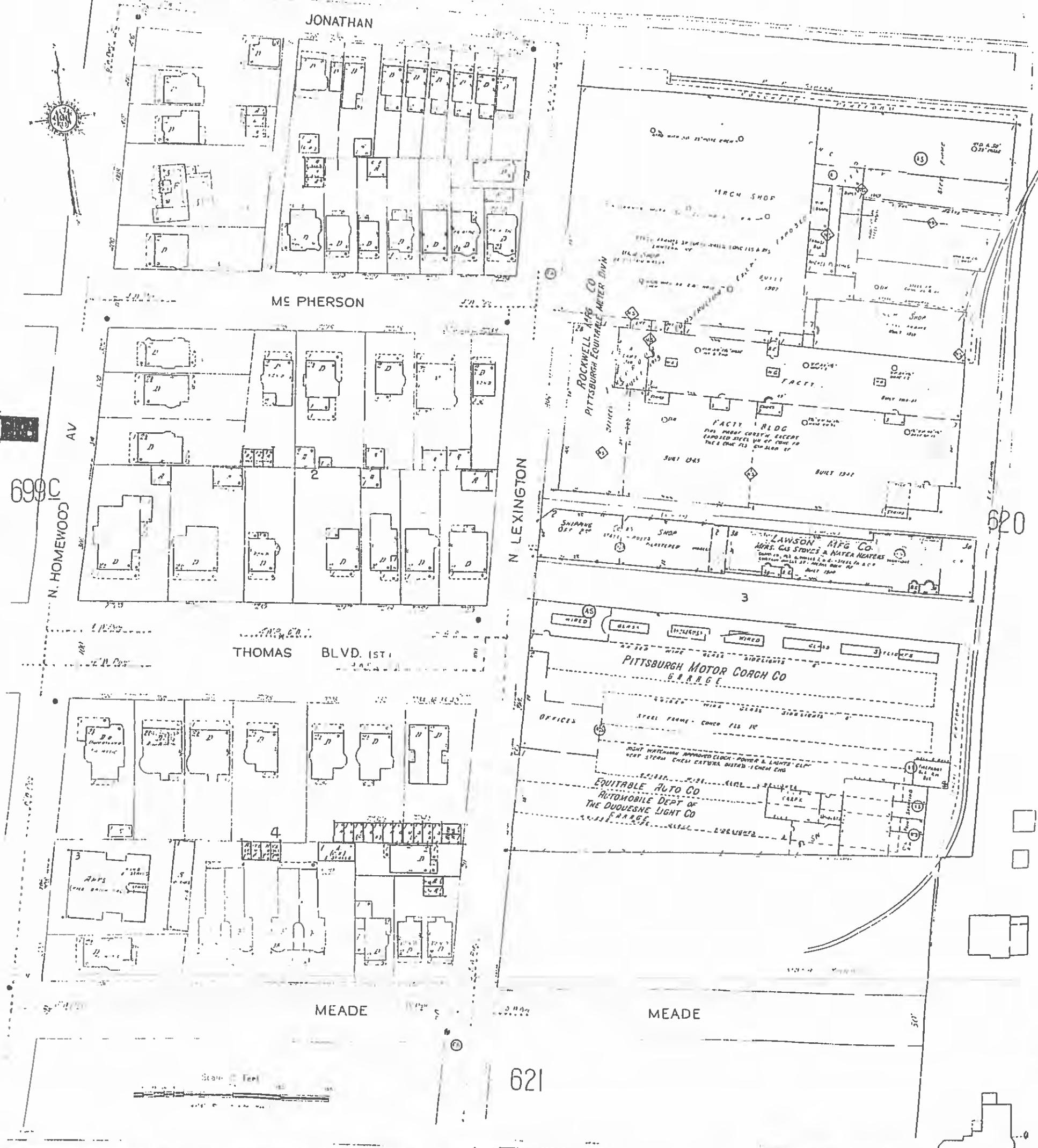
ERMS

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P4...066
619
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636

643



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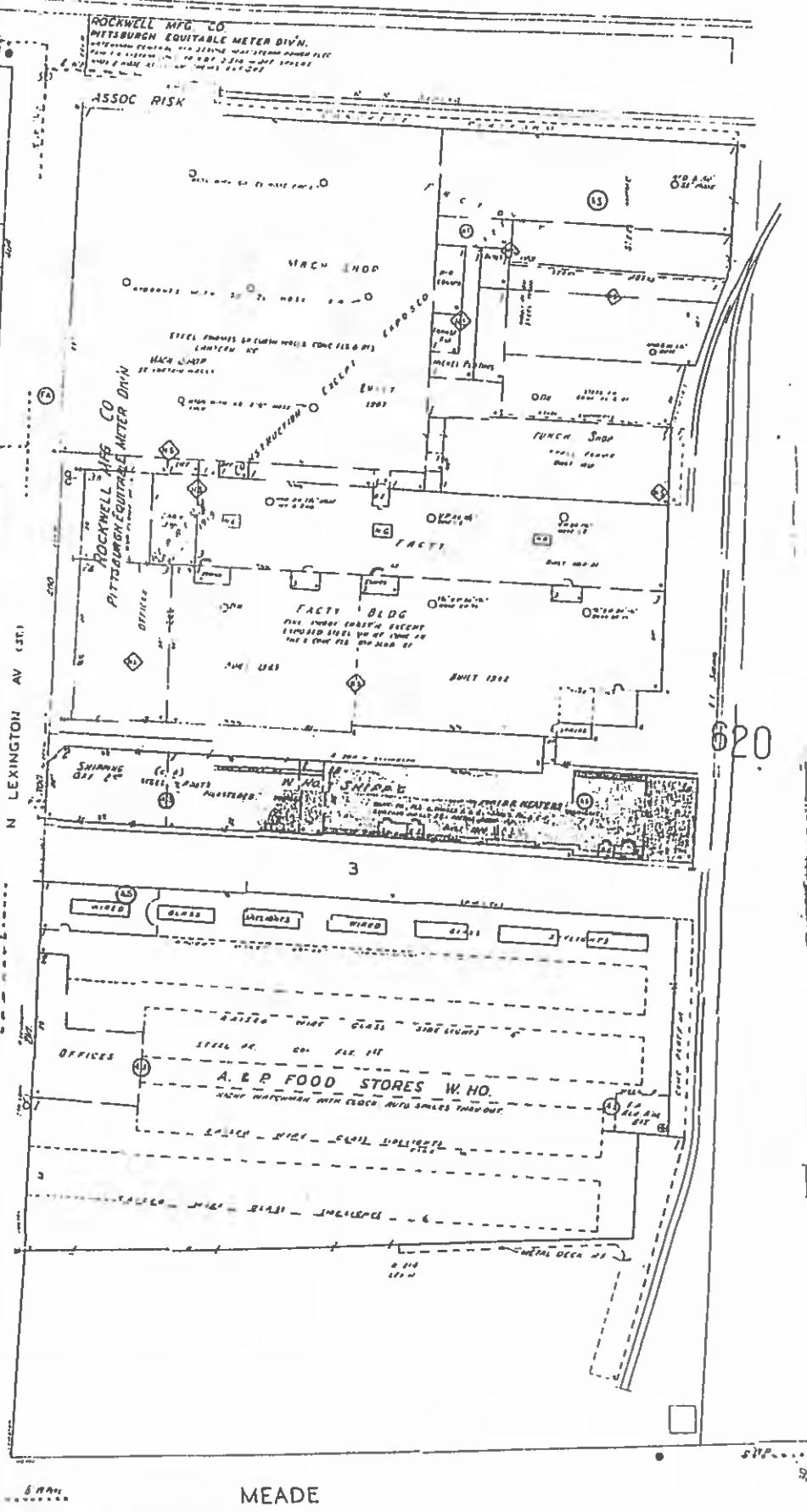
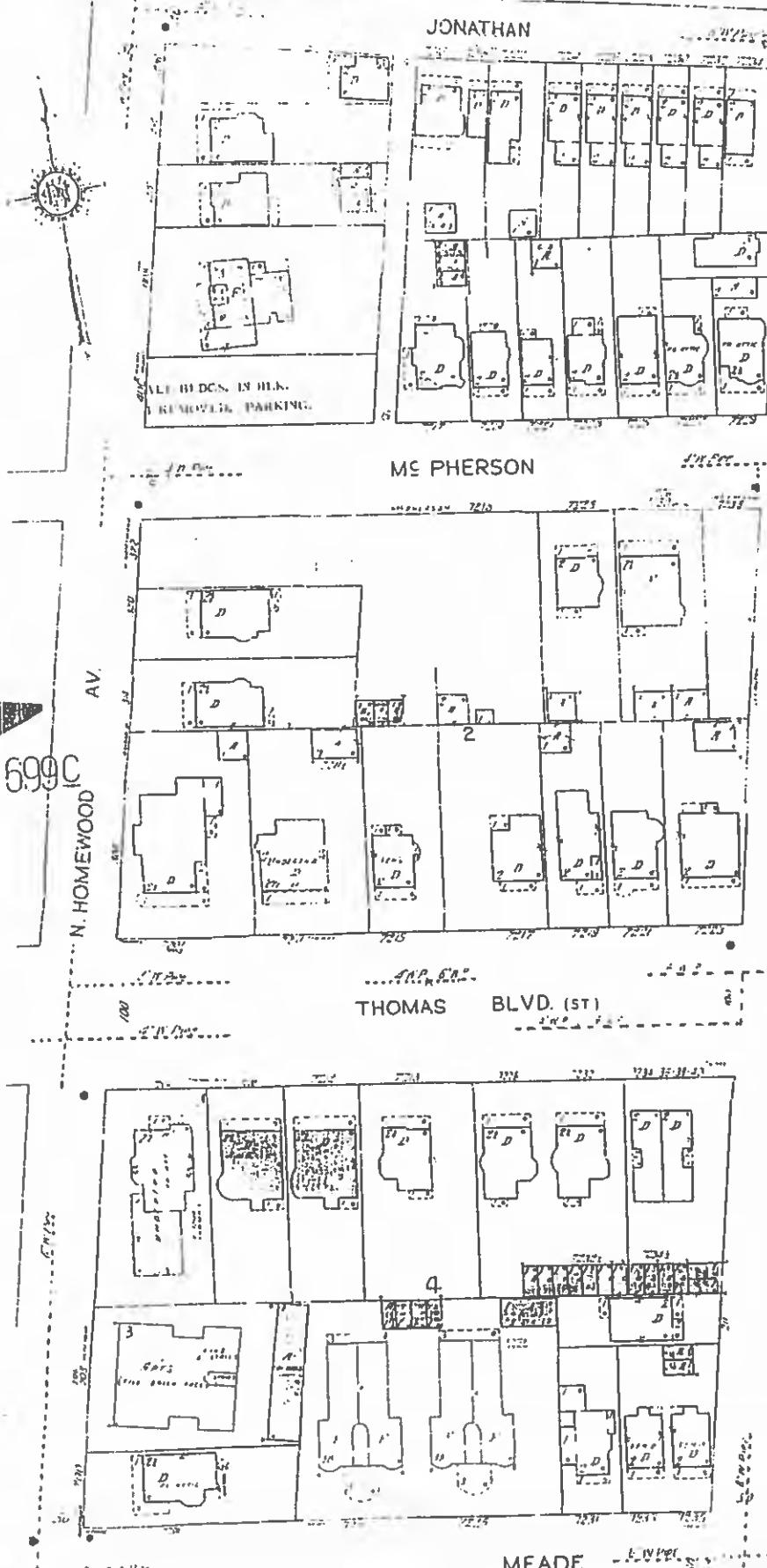
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643



Environmental Risk Information & Imaging Services

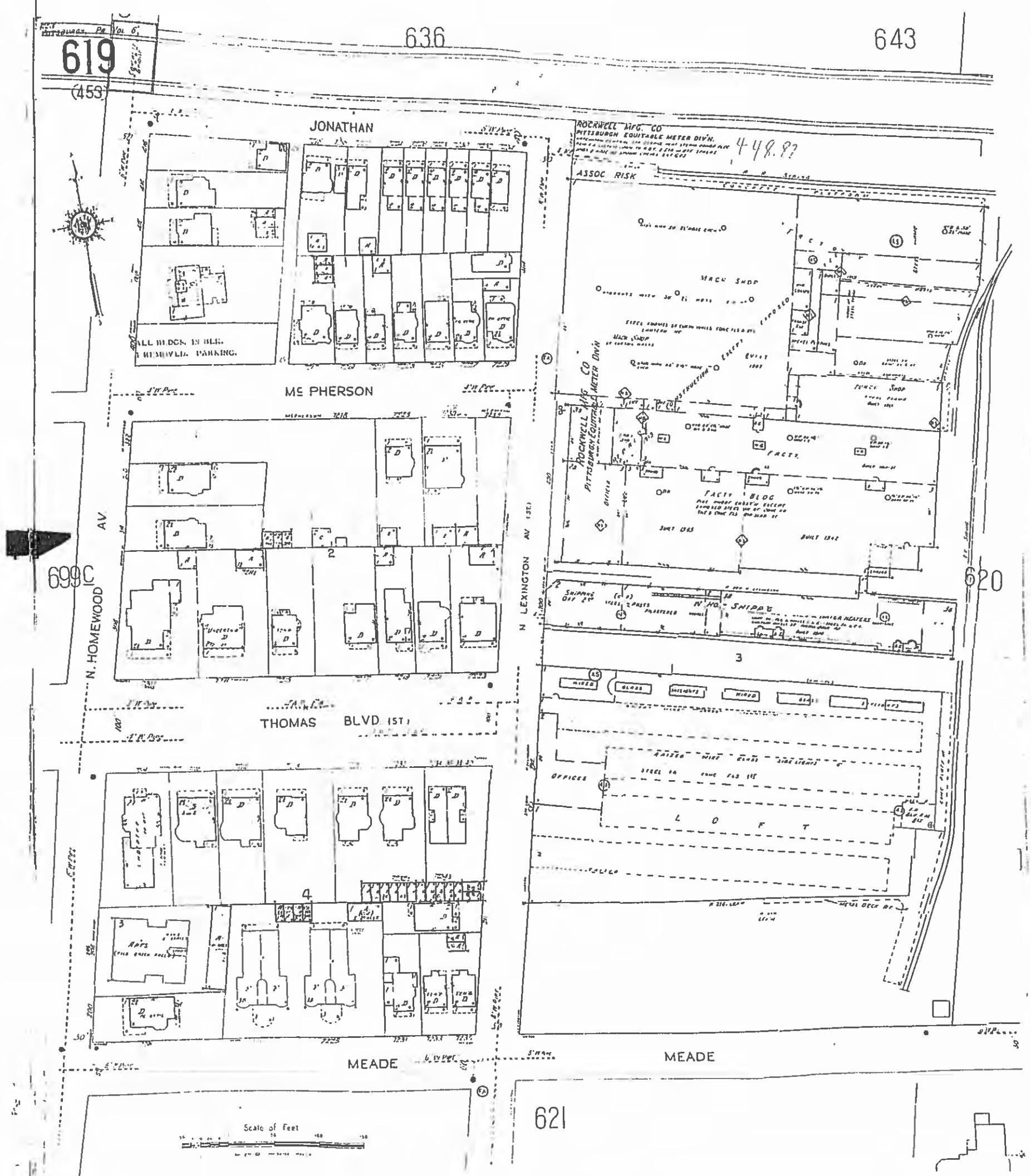
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10/19



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SANBORN

1947

● Attachment B
Aerial Photographs



CHESTER
ENGINEERS

The Market Leader in Building Green Infrastructures and Economies

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

Inquiry Number: 4659828.1

June 28, 2016

The EDR Aerial Photo Decade Package



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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



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Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
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'





INQUIRY #: 4659828.1

YEAR: 2008

= 500'





INQUIRY #: 4659828.1

YEAR: 2006

= 500'





INQUIRY #: 4659828.1

YEAR: 2005

= 500'





INQUIRY #: 4659828.1

YEAR: 1995



= 500'



INQUIRY #: 4659828.1

YEAR: 1988



= 500'



INQUIRY #: 4659828.1

YEAR: 1983



= 500'



INQUIRY #: 4659828.1

YEAR: 1973



= 500'



INQUIRY #: 4659828.1

YEAR: 1967



= 500'

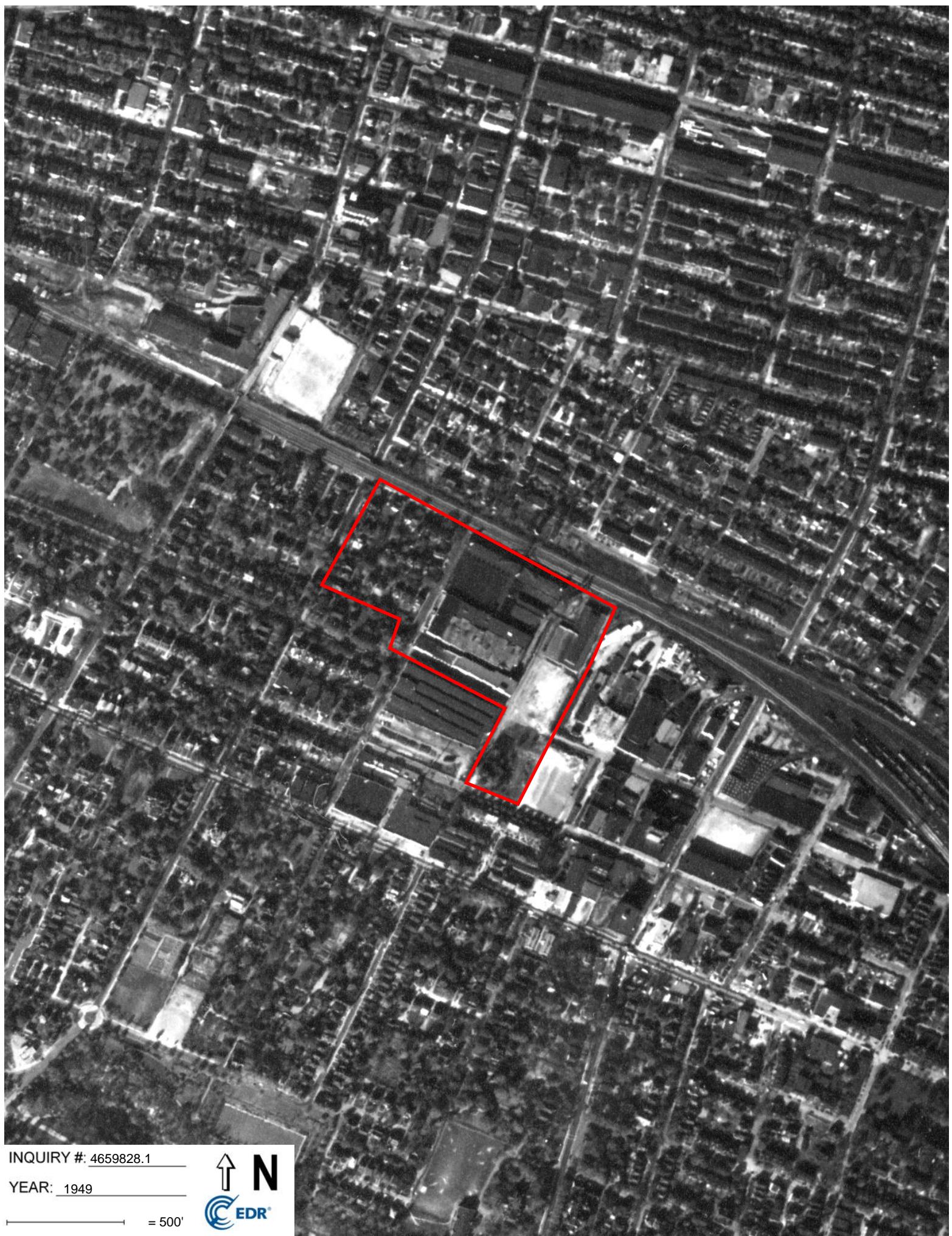


INQUIRY #: 4659828.1

YEAR: 1956



= 500'



INQUIRY #: 4659828.1

YEAR: 1949



= 500'



INQUIRY #: 4659828.1

YEAR: 1938



= 500'

● Attachment C
Soil Boring Logs



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Boring Log

Project #:
16-6214-ENV-04
Project Name:
Lexington Technology Park

Technician:
Doug Dusbiber

Start Date/Time:
8/8/2016
Finish Date/Time:
8/8/2016
Contractor/Driller:
Geo-Environmental Drilling
Total Depth:
12'

Borehole Name: CB-1
Equipment: Geo-Probe
Drilling Method: Direct Push
Sampling Method: 2" by 4" Macro Sampler
Weather:
Description of Location:

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 N O W E L L I N S T A L L E D						
1		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

Page **1** of **1**

Project #: 16-6214-ENV-04 Project Name: Lexington Technology Park Technician: Doug Dusbiber Start Date/Time: 8/8/2016 Finish Date/Time: 8/8/2016 Contractor/Driller: Geo-Environmental Drilling Total Depth: 14'	Borehole Name:			
	CB-2		Borehole	
	Equipment:		Diameter	To Depth
	Geo-Probe		2"	14'
	Drilling Method:			
	Direct Push			
	Sampling Method:		Easting	Northing
	2" by 4' Macro Sampler			Grade
	Weather:		Date	TOC
Description of Location:		Water Levels		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	N O W E L L I N S T A L L E D	Grade					
1							
2		0-4	Yes	NA		Ashphalt (2'), gravel and slag grading to silty, brown clay. FILL.	Suspect PID reading (moisture affected?)
3							
4							
6		4-6	No	NA		Silty clay, moits at 6'. FILL.	Suspect PID reading (moisture affected?)
6							
7		6-8	Yes	NA		Light-brown clay. NATIVE SOIL.	Suspect PID reading (moisture affected?)
8							
9		8-10	No	NA		Silty clay, brown, transitions to fine-medium grained sand, reddish. NATIVE SOIL.	Suspect PID reading (moisture affected?)
10							
11		10-12	No	NA		Fine-grained sand with some silt, reddish brown, moist. NATIVE SOIL.	Suspect PID reading (moisture affected?)
12							
13		12-14	No	NA		Silty sand grading to clay grading to wet medium-grained sand. Claystone refusal at 14'. NATIVE SOIL.	NA
14							



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'								
Depth	Well Const.	Sample Interval	Sample Submitted	Blow Counts per 6"	USCS	Description: color, angularity, sorting, grainsize, MATERIAL TYPE "with" subordinate material		Comments
						Date	DTW	
0	Grade							
1	N	0-2	Yes	NA		Asphalt (2") followed by ~3" slag followed by silty clay. FILL.		15 ppm on PID
2	O							
3	W	2-4	No	NA		Brown silty clay. FILL.		3 ppm on PID
4	E							
6	I							
6	N	4-8	Yes	NA		Silty clay grading to brown clay. Transition from FILL to NATIVE SOIL at ~6.5'.		1 ppm on PID
7	S							
8	T							
9	A							
10	L							
	E	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
	D							



Boring Log

Page **1** of **1**

Project #:	Borehole Name:		
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'			

Depth	Well Const.	Sample Interval	Sample Submitted	Blow Counts per 6"	USCS	Description: color, angularity, sorting, grainsize, MATERIAL TYPE "with" subordinate material	Comments
0	N O W E L L I N S T A L L E D	Grade					
1							
2		0-4	No	NA		Grass, topsoil, clay with red brick down to ~2'. Silty clay, brown, remainder of the interval. ~60% recovery. FILL.	0.8 ppm on PID
3							
4							
6		4-6	Yes	NA		Silty clay with some brick. FILL.	3.4 ppm on PID
6							
7		6-8	No	NA		Silty clay, hard, dry. Brown silty clay with red brick pieces. FILL.	3.4 ppm on PID
8							
9		8-10	No	NA		Sandy clay. FILL.	2.9 ppm on PID
10							
11		10-11.5	Yes	NA		Clay, soft weathered siltstone at 11.5'. Refusal. NATIVE SOIL.	3 ppm on PID
12							



Boring Log

Page **1** of **1**

Project #:	Borehole Name:			Remarks
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'				

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



Boring Log

Page **1** of **1**

Project #: 16-6214-ENV-04		Borehole Name: CB-7						
Project Name: Lexington Technology Park		Equipment: Geo-Probe		Borehole	Diameter	To Depth	Remarks	
Technician: Doug Dusbiber		Drilling Method: Direct Push		2"	6'			
Start Date/Time: 8/8/2016		Sampling Method: 2" by 4' Macro Sampler		Easting	Northing	Grade	TOC	
Finish Date/Time: 8/8/2016		Weather:		Date	DTW	Remarks		
Contractor/Driller: Geo-Environmental Drilling		Description of Location:						
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	NO WELL	0-4	Yes	NA		Grass, topsoil, clay, red brick at bottom of interval. ~60% Recovery. FILL.		3.5 ppm on PID
3								
4	INSTALLED							
5		4-6	No	NA		Silty clay with concrete pieces. Refusal at 6'. FILL.		NA
6								



Boring Log

Project #: 16-6214-ENV-04 Project Name: Lexington Technology Park Technician: Doug Dusbiber Start Date/Time: 8/8/2016 Finish Date/Time: 8/8/2016 Contractor/Driller: Geo-Environmental Drilling Total Depth: 4'		Borehole Name: CB-8 Equipment: Geo-Probe Drilling Method: Direct Push Sampling Method: 2" by 4' Macro Sampler Weather: Description of Location:		Borehole <table border="1"> <thead> <tr> <th>Diameter</th> <th>To Depth</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>2"</td> <td>4'</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table> Survey Coordinates <table border="1"> <thead> <tr> <th>Easting</th> <th>Northing</th> <th>Grade</th> <th>TOC</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> Water Levels <table border="1"> <thead> <tr> <th>Date</th> <th>DTW</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Diameter	To Depth	Remarks	2"	4'																				Easting	Northing	Grade	TOC																													Date	DTW	Remarks																								
Diameter	To Depth	Remarks																																																																																						
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Easting	Northing	Grade	TOC																																																																																					
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	0-2	Yes	NA		Grass, topsoil, sandy silt, clay from 1 to 2'. FILL.	0.5 ppm on PID																																																																																	
2	INSTALLED																																																																																							
3		2-4	Yes	NA		Silty clay. NATIVE SOIL.	0.1 ppm on PID																																																																																	
4																																																																																								

● Attachment D
Laboratory Analytical Reports



CHESTER
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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

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results through

TotalAccess

Have a Question?

Ask
The
Expert

Visit us at:

www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

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

TestAmerica Job ID: 180-57326-1

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 3.2° C and 3.5° 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	

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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

Lab Chronicle

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

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'

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

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'

Date Collected: 08/08/16 09:35

Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-2

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 14:59	CLL	TAL PIT

Instrument ID: NOEQUIP

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

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								

TestAmerica Pittsburgh

Lab Chronicle

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

TestAmerica Job ID: 180-57326-1

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

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'

Date Collected: 08/08/16 10:20
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-3

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 16:09	CLL	TAL PIT
		Instrument ID: NOEQUIP								

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

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'

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

Lab Sample ID: 180-57326-4

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 17:18	CLL	TAL PIT
		Instrument ID: NOEQUIP								

TestAmerica Pittsburgh

Lab Chronicle

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

TestAmerica Job ID: 180-57326-1

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

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'

Date Collected: 08/08/16 12:20
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-5

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 18:28	CLL	TAL PIT
		Instrument ID: NOEQUIP								

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

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								

TestAmerica Pittsburgh

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

TestAmerica Pittsburgh

Lab Chronicle

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

TestAmerica Job ID: 180-57326-1

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

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

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

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

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

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'

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

Lab Sample ID: 180-57326-9

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 23:06	CLL	TAL PIT

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

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

TestAmerica Pittsburgh

Lab Chronicle

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

TestAmerica Job ID: 180-57326-1

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

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'

Date Collected: 08/08/16 15:30
Date Received: 08/09/16 08:45

Lab Sample ID: 180-57326-10

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 00:15	CLL	TAL PIT
		Instrument ID: NOEQUIP								

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

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'

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

TestAmerica Pittsburgh

Lab Chronicle

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

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

TestAmerica Pittsburgh

Lab Chronicle

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

TestAmerica Job ID: 180-57326-1

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

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

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

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

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

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

TestAmerica Pittsburgh

Lab Chronicle

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

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Client Sample Results

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: 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

TestAmerica Pittsburgh

Client Sample Results

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

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

TestAmerica Pittsburgh

Client Sample Results

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

TestAmerica Pittsburgh

Client Sample Results

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

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'
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

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
Tetrachloroethylene	ND		6.0	1.5	ug/Kg	✉	08/13/16 08:43	08/13/16 16:41	1

TestAmerica Pittsburgh

Client Sample Results

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

TestAmerica Job ID: 180-57326-1

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

TestAmerica Pittsburgh

Client Sample Results

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

TestAmerica Job ID: 180-57326-1

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
2-Fluorobiphenyl	58		42 - 100		08/11/16 03:00	08/11/16 11:58
2-Fluorophenol (Surr)	53		21 - 107		08/11/16 03:00	08/11/16 11:58
Nitrobenzene-d5 (Surr)	61		35 - 109		08/11/16 03:00	08/11/16 11:58
Phenol-d5 (Surr)	52		29 - 105		08/11/16 03:00	08/11/16 11:58
Terphenyl-d14 (Surr)	79		36 - 113		08/11/16 03:00	08/11/16 11:58

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

TestAmerica Pittsburgh

Client Sample Results

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

TestAmerica Job ID: 180-57326-1

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: 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'

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

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

TestAmerica Pittsburgh

Client Sample Results

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

TestAmerica Job ID: 180-57326-1

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			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

TestAmerica Pittsburgh

Client Sample Results

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

TestAmerica Job ID: 180-57326-1

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

TestAmerica Pittsburgh

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		0.58	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

TestAmerica Pittsburgh

Client Sample Results

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

TestAmerica Job ID: 180-57326-1

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

TestAmerica Pittsburgh

Client Sample Results

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

TestAmerica Job ID: 180-57326-1

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

TestAmerica Pittsburgh

Client Sample Results

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

TestAmerica Job ID: 180-57326-1

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)

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
Date Received: 08/09/16 08:45

Matrix: Solid
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

TestAmerica Pittsburgh

Client Sample Results

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

TestAmerica Job ID: 180-57326-1

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

TestAmerica Pittsburgh

Client Sample Results

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

TestAmerica Job ID: 180-57326-1

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: 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

TestAmerica Pittsburgh

Client Sample Results

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

TestAmerica Job ID: 180-57326-1

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: 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	%				1
Percent Solids	83.5		0.1	0.1	%				1

TestAmerica Pittsburgh

Client Sample Results

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

TestAmerica Pittsburgh

Client Sample Results

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

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

TestAmerica Pittsburgh

Client Sample Results

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: 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

TestAmerica Pittsburgh

Client Sample Results

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

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'
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

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
Tetrachloroethylene	ND		5.9	1.5	ug/Kg	✉	08/14/16 14:30	08/14/16 23:26	1

TestAmerica Pittsburgh

Client Sample Results

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

TestAmerica Job ID: 180-57326-1

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

TestAmerica Pittsburgh

Client Sample Results

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

TestAmerica Job ID: 180-57326-1

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
2-Fluorobiphenyl	57		42 - 100		08/11/16 03:00	08/11/16 15:21
2-Fluorophenol (Surr)	50		21 - 107		08/11/16 03:00	08/11/16 15:21
Nitrobenzene-d5 (Surr)	60		35 - 109		08/11/16 03:00	08/11/16 15:21
Phenol-d5 (Surr)	49		29 - 105		08/11/16 03:00	08/11/16 15:21
Terphenyl-d14 (Surr)	64		36 - 113		08/11/16 03:00	08/11/16 15:21

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

TestAmerica Pittsburgh

Client Sample Results

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

TestAmerica Job ID: 180-57326-1

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: 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

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

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

TestAmerica Pittsburgh

Client Sample Results

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

TestAmerica Job ID: 180-57326-1

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 JB		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

TestAmerica Pittsburgh

Client Sample Results

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

TestAmerica Job ID: 180-57326-1

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

TestAmerica Pittsburgh

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		0.56	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

TestAmerica Pittsburgh

Client Sample Results

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

TestAmerica Job ID: 180-57326-1

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

TestAmerica Pittsburgh

Client Sample Results

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

TestAmerica Job ID: 180-57326-1

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

TestAmerica Pittsburgh

Client Sample Results

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

TestAmerica Job ID: 180-57326-1

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)

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'

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

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

TestAmerica Pittsburgh

Client Sample Results

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

TestAmerica Job ID: 180-57326-1

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

TestAmerica Pittsburgh

Client Sample Results

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

TestAmerica Job ID: 180-57326-1

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

TestAmerica Pittsburgh

Client Sample Results

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

TestAmerica Job ID: 180-57326-1

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: 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

TestAmerica Pittsburgh

Client Sample Results

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

TestAmerica Pittsburgh

Client Sample Results

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

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

TestAmerica Pittsburgh

Client Sample Results

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: 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

TestAmerica Pittsburgh

Client Sample Results

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

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'
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

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
Tetrachloroethylene	ND		5.7	1.4	ug/Kg	⊗	08/14/16 14:30	08/15/16 01:19	1

TestAmerica Pittsburgh

Client Sample Results

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

TestAmerica Job ID: 180-57326-1

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

TestAmerica Pittsburgh

Client Sample Results

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

TestAmerica Job ID: 180-57326-1

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

TestAmerica Pittsburgh

Client Sample Results

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

TestAmerica Job ID: 180-57326-1

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: 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'

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

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

TestAmerica Pittsburgh

Client Sample Results

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

TestAmerica Job ID: 180-57326-1

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			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

TestAmerica Pittsburgh

Client Sample Results

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

TestAmerica Job ID: 180-57326-1

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

TestAmerica Pittsburgh

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

QC Sample Results

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

TestAmerica Job ID: 180-57326-1

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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	08/13/16 09:34	1
Acetone	ND		20	10	ug/Kg	08/13/16 07:33	08/13/16 09:34	08/13/16 09:34	1
Benzene	ND		5.0	3.0	ug/Kg	08/13/16 07:33	08/13/16 09:34	08/13/16 09:34	1
Bromoform	ND		5.0	4.6	ug/Kg	08/13/16 07:33	08/13/16 09:34	08/13/16 09:34	1
Bromomethane	ND		5.0	1.7	ug/Kg	08/13/16 07:33	08/13/16 09:34	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	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	08/13/16 09:34	1
Chlorobenzene	ND		5.0	2.2	ug/Kg	08/13/16 07:33	08/13/16 09:34	08/13/16 09:34	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	08/13/16 07:33	08/13/16 09:34	08/13/16 09:34	1
Chloroform	ND		5.0	1.3	ug/Kg	08/13/16 07:33	08/13/16 09:34	08/13/16 09:34	1
Chloromethane	ND		5.0	2.6	ug/Kg	08/13/16 07:33	08/13/16 09:34	08/13/16 09:34	1
Chloroethane	ND		5.0	2.1	ug/Kg	08/13/16 07:33	08/13/16 09:34	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	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	08/13/16 09:34	1
Dichlorobromomethane	ND		5.0	2.0	ug/Kg	08/13/16 07:33	08/13/16 09:34	08/13/16 09:34	1
Dichlorodifluoromethane	ND		5.0	2.9	ug/Kg	08/13/16 07:33	08/13/16 09:34	08/13/16 09:34	1
Ethylbenzene	ND		5.0	2.0	ug/Kg	08/13/16 07:33	08/13/16 09:34	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	08/13/16 09:34	1
Cyclohexane	ND		5.0	1.5	ug/Kg	08/13/16 07:33	08/13/16 09:34	08/13/16 09:34	1
Isopropylbenzene	ND		5.0	3.4	ug/Kg	08/13/16 07:33	08/13/16 09:34	08/13/16 09:34	1
Methyl acetate	ND		25	13	ug/Kg	08/13/16 07:33	08/13/16 09:34	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	08/13/16 09:34	1
Methylcyclohexane	ND		5.0	1.8	ug/Kg	08/13/16 07:33	08/13/16 09:34	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	08/13/16 09:34	1
Styrene	ND		5.0	2.3	ug/Kg	08/13/16 07:33	08/13/16 09:34	08/13/16 09:34	1
Tetrachloroethene	ND		5.0	1.2	ug/Kg	08/13/16 07:33	08/13/16 09:34	08/13/16 09:34	1
Toluene	ND		5.0	3.6	ug/Kg	08/13/16 07:33	08/13/16 09:34	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	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	08/13/16 09:34	1
Trichloroethene	ND		5.0	1.1	ug/Kg	08/13/16 07:33	08/13/16 09:34	08/13/16 09:34	1
Trichlorofluoromethane	ND		5.0	3.0	ug/Kg	08/13/16 07:33	08/13/16 09:34	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	08/13/16 09:34	1
Xylenes, Total			10	4.6	ug/Kg	08/13/16 07:33	08/13/16 09:34	08/13/16 09:34	1

TestAmerica Pittsburgh

QC Sample Results

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

TestAmerica Job ID: 180-57326-1

Surrogate	MB	MB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
						08/13/16 07:33	08/13/16 09:34	1
1,2-Dichloroethane-d4 (Surr)	82		82		52 - 124	08/13/16 07:33	08/13/16 09:34	1
4-Bromofluorobenzene (Surr)	92		92		63 - 120	08/13/16 07:33	08/13/16 09:34	1
Dibromofluoromethane (Surr)	89		89		68 - 121	08/13/16 07:33	08/13/16 09:34	1
Toluene-d8 (Surr)	100		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	LCS	Unit	D	%Rec	%Rec.	Limits
		Result	Qualifier				67 - 126	
1,1,1-Trichloroethane	40.0	41.1		ug/Kg	103	103	67 - 126	
1,1,2,2-Tetrachloroethane	40.0	37.5		ug/Kg	94	94	60 - 139	
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	41.5		ug/Kg	104	104	55 - 130	
1,1,2-Trichloroethane	40.0	40.5		ug/Kg	101	101	70 - 128	
1,1-Dichloroethane	40.0	36.1		ug/Kg	90	90	66 - 124	
1,1-Dichloroethene	40.0	38.9		ug/Kg	97	97	59 - 129	
1,2-Dibromo-3-Chloropropane	40.0	39.6		ug/Kg	99	99	35 - 136	
1,2-Dichlorobenzene	40.0	40.3		ug/Kg	101	101	71 - 124	
1,2-Dichloroethane	40.0	39.5		ug/Kg	99	99	61 - 127	
1,2-Dichloropropane	40.0	37.1		ug/Kg	93	93	72 - 122	
1,2,4-Trichlorobenzene	40.0	39.8		ug/Kg	100	100	51 - 136	
1,3-Dichlorobenzene	40.0	40.3		ug/Kg	101	101	75 - 118	
1,4-Dichlorobenzene	40.0	39.6		ug/Kg	99	99	77 - 116	
2-Butanone (MEK)	40.0	38.0		ug/Kg	95	95	35 - 149	
2-Hexanone	40.0	49.7		ug/Kg	124	124	32 - 150	
4-Methyl-2-pentanone (MIBK)	40.0	38.7		ug/Kg	97	97	44 - 148	
Acetone	40.0	43.4		ug/Kg	108	108	20 - 150	
Benzene	40.0	38.1		ug/Kg	95	95	77 - 120	
Bromoform	40.0	37.4		ug/Kg	94	94	53 - 140	
Bromomethane	40.0	44.5		ug/Kg	111	111	25 - 150	
Carbon disulfide	40.0	40.7		ug/Kg	102	102	50 - 127	
Carbon tetrachloride	40.0	39.9		ug/Kg	100	100	69 - 122	
Chlorobenzene	40.0	40.2		ug/Kg	101	101	79 - 120	
Chlorodibromomethane	40.0	38.8		ug/Kg	97	97	70 - 132	
Chloroform	40.0	38.8		ug/Kg	97	97	72 - 120	
Chloromethane	40.0	38.2		ug/Kg	95	95	44 - 131	
Chloroethane	40.0	48.3		ug/Kg	121	121	22 - 150	
cis-1,2-Dichloroethene	40.0	38.8		ug/Kg	97	97	80 - 118	
cis-1,3-Dichloropropene	40.0	43.6		ug/Kg	109	109	73 - 120	
Dichlorobromomethane	40.0	39.9		ug/Kg	100	100	70 - 125	
Dichlorodifluoromethane	40.0	39.9		ug/Kg	100	100	25 - 150	
Ethylbenzene	40.0	38.9		ug/Kg	97	97	78 - 125	
1,2-Dibromoethane	40.0	40.0		ug/Kg	100	100	70 - 131	
Cyclohexane	40.0	36.1		ug/Kg	90	90	64 - 130	
Isopropylbenzene	40.0	38.2		ug/Kg	95	95	70 - 133	
Methyl acetate	200	177		ug/Kg	89	89	27 - 142	
Methyl tert-butyl ether	40.0	41.2		ug/Kg	103	103	48 - 132	
Methylcyclohexane	40.0	38.9		ug/Kg	97	97	66 - 135	
Methylene Chloride	40.0	35.0		ug/Kg	88	88	58 - 127	
m-Xylene & p-Xylene	40.0	37.7		ug/Kg	94	94	75 - 126	
o-Xylene	40.0	37.5		ug/Kg	94	94	83 - 127	
Styrene	40.0	39.5		ug/Kg	99	99	83 - 129	
Tetrachloroethene	40.0	40.4		ug/Kg	101	101	78 - 129	

TestAmerica Pittsburgh

QC Sample Results

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

TestAmerica Job ID: 180-57326-1

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

%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%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

TestAmerica Pittsburgh

QC Sample Results

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

TestAmerica Job ID: 180-57326-1

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		RL	MDL	Unit	D	Prepared		Dil Fac
	Result	Qualifier					Prepared	Analyzed	
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	

MB MB

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
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		Unit	D	%Rec	Limits
		Result	Qualifier				
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	

TestAmerica Pittsburgh

QC Sample Results

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

TestAmerica Job ID: 180-57326-1

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

%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%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	

LCS LCS

Surrogate	%Recovery	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

TestAmerica Pittsburgh

QC Sample Results

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

TestAmerica Job ID: 180-57326-1

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

TestAmerica Pittsburgh

QC Sample Results

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

TestAmerica Job ID: 180-57326-1

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

Lab Sample ID: MB 180-184812/6

Matrix: Solid

Analysis Batch: 184812

Surrogate	MB	MB	%Recovery	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

Analyte	Spike Added	LCs	LCs	Unit	D	%Rec	%Rec.	Limits
		Result	Qualifier					
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	

TestAmerica Pittsburgh

QC Sample Results

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

TestAmerica Job ID: 180-57326-1

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	LCS	LCS	Unit	D	%Rec	%Rec.	Limits	5
	Added	Result	Qualifier				ug/Kg		
Methylcyclohexane	40.0	37.6		ug/Kg		94	66 - 135		6
Methylene Chloride	40.0	35.0		ug/Kg		87	58 - 127		7
m-Xylene & p-Xylene	40.0	37.2		ug/Kg		93	75 - 126		8
o-Xylene	40.0	36.3		ug/Kg		91	83 - 127		9
Styrene	40.0	38.1		ug/Kg		95	83 - 129		10
Tetrachloroethene	40.0	39.9		ug/Kg		100	78 - 129		11
Toluene	40.0	37.0		ug/Kg		92	78 - 124		12
trans-1,2-Dichloroethene	40.0	38.3		ug/Kg		96	77 - 121		13
trans-1,3-Dichloropropene	40.0	39.1		ug/Kg		98	74 - 129		1
Trichloroethene	40.0	39.6		ug/Kg		99	76 - 119		2
Trichlorofluoromethane	40.0	47.9		ug/Kg		120	20 - 150		3
Vinyl chloride	40.0	43.6		ug/Kg		109	63 - 124		4
Xylenes, Total	80.0	73.5		ug/Kg		92	83 - 126		5
<hr/>									
Surrogate	LCS	LCS	Limits	6	7	8	9	10	11
	%Recovery	Qualifier							
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	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD	RPD Limit
	Added	Result	Qualifier				ug/Kg		
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

TestAmerica Pittsburgh

QC Sample Results

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

TestAmerica Job ID: 180-57326-1

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

Lab Sample ID: LCSD 180-184812/4

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

Matrix: Solid

Analysis Batch: 184812

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	Limits	RPD	RPD Limit
	Added	Result	Qualifier						
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	LCSD	Limits
	%Recovery	Qualifier	
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

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 184528

Prep Batch: 184503

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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

TestAmerica Pittsburgh

QC Sample Results

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

TestAmerica Job ID: 180-57326-1

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	1
Benzo[a]pyrene	ND		6.7	0.67	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	2
Bis(2-chloroethoxy)methane	ND		33	2.2	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	3
Bis(2-chloroethyl)ether	ND		6.7	0.90	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	4
Bis(2-ethylhexyl) phthalate	ND		67	5.4	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	5
Butyl benzyl phthalate	ND		33	4.6	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	6
4-Bromophenyl phenyl ether	ND		33	2.9	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	7
4-Chloroaniline	ND		33	2.7	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	8
4-Chloro-3-methylphenol	ND		33	3.1	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	9
4-Chlorophenyl phenyl ether	ND		33	3.7	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	10
4,6-Dinitro-2-methylphenol	ND		170	13	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	11
Methylphenol, 3 & 4	ND		33	3.3	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	12
4-Nitroaniline	ND		170	14	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	13
4-Nitrophenol	ND		170	12	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	14
Carbazole	ND		6.7	0.61	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	15
Chrysene	ND		6.7	0.79	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	16
2-Chloronaphthalene	ND		6.7	0.70	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	17
2-Chlorophenol	ND		33	2.7	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	18
2,4-Dichlorophenol	ND		6.7	0.67	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	19
2,4-Dimethylphenol	ND		33	5.2	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	20
2,4-Dinitrophenol	ND		170	40	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	21
2,4-Dinitrotoluene	ND		33	2.7	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	22
2,6-Dinitrotoluene	ND		33	3.4	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	23
2-Methylnaphthalene	ND		6.7	0.60	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	24
2-Methylphenol	ND		33	2.3	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	25
2-Nitroaniline	ND		170	15	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	26
2-Nitrophenol	ND		33	3.7	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	27
2,2'-oxybis[1-chloropropane]	ND		6.7	0.72	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	28
2,4,6-Trichlorophenol	ND		33	5.0	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	29
2,4,5-Trichlorophenol	ND		33	3.6	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	30
Dibenz(a,h)anthracene	ND		6.7	0.74	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	31
Dibenzofuran	ND		33	3.3	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	32
Di-n-butyl phthalate	ND		33	4.2	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	33
Diethyl phthalate	ND		33	3.6	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	34
Dimethyl phthalate	ND		33	3.6	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	35
Di-n-octyl phthalate	ND		33	3.5	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	36
1,2-Dichlorobenzene	ND		33	3.5	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	37
1,3-Dichlorobenzene	ND		33	2.6	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	38
1,4-Dichlorobenzene	ND		33	2.4	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	39
1,2,4-Trichlorobenzene	ND		33	1.8	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	40
Fluoranthene	ND		6.7	0.71	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	41
Fluorene	ND		6.7	0.88	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	42
Hexachlorobenzene	ND		6.7	0.71	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	43
Hexachlorobutadiene	ND		6.7	0.75	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	44
Hexachlorocyclopentadiene	ND		33	3.6	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	45
Hexachloroethane	ND		33	2.4	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	46
Indeno[1,2,3-cd]pyrene	ND		6.7	0.69	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	47
Isophorone	ND		33	2.5	ug/Kg	08/11/16 03:00	08/11/16 10:32	1	48

TestAmerica Pittsburgh

QC Sample Results

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

TestAmerica Job ID: 180-57326-1

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		RL	MDL	Unit	D	Prepared		Dil Fac
	Result	Qualifier					Prepared	Analyzed	
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		Limits	Prepared		Dil Fac
	%Recovery	Qualifier		Prepared	Analyzed	
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		Unit	D	%Rec	Limits	%Rec.
		Result	Qualifier					
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		

TestAmerica Pittsburgh

QC Sample Results

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

TestAmerica Job ID: 180-57326-1

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

%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%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

TestAmerica Pittsburgh

QC Sample Results

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

TestAmerica Job ID: 180-57326-1

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		5
Acenaphthylene	ND		772	677		ug/Kg	⊗	88	42 - 100		6
Anthracene	ND		772	690		ug/Kg	⊗	89	43 - 100		7
Benzo[a]anthracene	ND		772	701		ug/Kg	⊗	91	43 - 100		8
Benzo[b]fluoranthene	ND		772	717		ug/Kg	⊗	93	40 - 100		9
Benzo[k]fluoranthene	ND		772	714		ug/Kg	⊗	93	44 - 100		10
Benzo[g,h,i]perylene	ND		772	695		ug/Kg	⊗	90	41 - 102		11
Benzo[a]pyrene	ND		772	708		ug/Kg	⊗	92	43 - 100		12
Bis(2-chloroethoxy)methane	ND		772	633		ug/Kg	⊗	82	39 - 100		13
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		

TestAmerica Pittsburgh

QC Sample Results

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

TestAmerica Job ID: 180-57326-1

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

%Rec.

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits		
	Result	Qualifier	Added	Result	Qualifier						
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		

MS MS

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
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

%Rec.

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
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

TestAmerica Pittsburgh

QC Sample Results

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

TestAmerica Job ID: 180-57326-1

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	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
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	MSD	Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	69		20 - 134
2-Fluorobiphenyl	62		42 - 100

TestAmerica Pittsburgh

QC Sample Results

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

TestAmerica Job ID: 180-57326-1

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	12
Arsenic	ND		0.96	0.42	mg/Kg	08/10/16 07:17	08/12/16 10:49	1	13
Antimony	ND		0.96	0.34	mg/Kg	08/10/16 07:17	08/12/16 10:49	1	1
Beryllium	ND		0.38	0.10	mg/Kg	08/10/16 07:17	08/12/16 10:49	1	1
Cadmium	ND		0.48	0.11	mg/Kg	08/10/16 07:17	08/12/16 10:49	1	1
Chromium	ND		0.48	0.12	mg/Kg	08/10/16 07:17	08/12/16 10:49	1	1
Copper	ND		2.4	0.74	mg/Kg	08/10/16 07:17	08/12/16 10:49	1	1
Lead	ND		0.96	0.32	mg/Kg	08/10/16 07:17	08/12/16 10:49	1	1
Nickel	ND		3.8	0.16	mg/Kg	08/10/16 07:17	08/12/16 10:49	1	1
Selenium	ND		0.96	0.38	mg/Kg	08/10/16 07:17	08/12/16 10:49	1	1
Thallium	ND		1.9	0.48	mg/Kg	08/10/16 07:17	08/12/16 10:49	1	1
Zinc	ND		1.9	0.98	mg/Kg	08/10/16 07:17	08/12/16 10:49	1	1
Vanadium	ND		4.8	1.5	mg/Kg	08/10/16 07:17	08/12/16 10:49	1	1
Cobalt	ND		4.8	1.1	mg/Kg	08/10/16 07:17	08/12/16 10:49	1	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		Unit	D	%Rec	Limits	%Rec.
		Result	Qualifier					
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		

TestAmerica Pittsburgh

QC Sample Results

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

TestAmerica Job ID: 180-57326-1

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

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
	Result	Qualifier							
Mercury	ND		0.033	0.0074	mg/Kg	⊗	08/09/16 09:02	08/10/16 10:33	1

TestAmerica Pittsburgh

QC Sample Results

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

TestAmerica Job ID: 180-57326-1

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.
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

QC Association Summary

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

TestAmerica Job ID: 180-57326-1

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	9
180-57326-2	CB-1 6-8'	Total/NA	Solid	5035	10
180-57326-3	CB-2 0-4'	Total/NA	Solid	5035	11
180-57326-5	CB-4 0-2'	Total/NA	Solid	5035	12
MB 180-184758/1-A	Method Blank	Total/NA	Solid	5035	13
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	

TestAmerica Pittsburgh

QC Association Summary

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

TestAmerica Job ID: 180-57326-1

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	

TestAmerica Pittsburgh

QC Association Summary

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

TestAmerica Job ID: 180-57326-1

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	1
180-57326-4	CB-2 6-8'	Total/NA	Solid	7471B	2
180-57326-5	CB-4 0-2'	Total/NA	Solid	7471B	3
180-57326-6	CB-4 4-8'	Total/NA	Solid	7471B	4
180-57326-7	CB-5 4-6'	Total/NA	Solid	7471B	5
180-57326-8	CB-5 10-11.5	Total/NA	Solid	7471B	6
180-57326-9	CB-6 0-2'	Total/NA	Solid	7471B	7
180-57326-10	CB-6 10-12'	Total/NA	Solid	7471B	8
180-57326-11	CB-7 0-4'	Total/NA	Solid	7471B	9
180-57326-12	CB-8 0-2'	Total/NA	Solid	7471B	10
180-57326-13	CB-8 2-4'	Total/NA	Solid	7471B	11
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	12
180-57326-2	CB-1 6-8'	Total/NA	Solid	3050B	13
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

TestAmerica Pittsburgh

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	1
180-57326-2	CB-1 6-8'	Total/NA	Solid	6010C	184379	2
180-57326-3	CB-2 0-4'	Total/NA	Solid	6010C	184379	3
180-57326-4	CB-2 6-8'	Total/NA	Solid	6010C	184379	4
180-57326-5	CB-4 0-2'	Total/NA	Solid	6010C	184379	5
180-57326-6	CB-4 4-8'	Total/NA	Solid	6010C	184379	6
180-57326-7	CB-5 4-6'	Total/NA	Solid	6010C	184379	7
180-57326-8	CB-5 10-11.5	Total/NA	Solid	6010C	184379	8
180-57326-9	CB-6 0-2'	Total/NA	Solid	6010C	184379	9
180-57326-10	CB-6 10-12'	Total/NA	Solid	6010C	184379	10
180-57326-11	CB-7 0-4'	Total/NA	Solid	6010C	184379	11
180-57326-12	CB-8 0-2'	Total/NA	Solid	6010C	184379	12
180-57326-13	CB-8 2-4'	Total/NA	Solid	6010C	184379	13
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		1
180-57326-2	CB-1 6-8'	Total/NA	Solid	2540G		2
180-57326-3	CB-2 0-4'	Total/NA	Solid	2540G		3
180-57326-4	CB-2 6-8'	Total/NA	Solid	2540G		4
180-57326-5	CB-4 0-2'	Total/NA	Solid	2540G		5
180-57326-6	CB-4 4-8'	Total/NA	Solid	2540G		6
180-57326-7	CB-5 4-6'	Total/NA	Solid	2540G		7
180-57326-8	CB-5 10-11.5	Total/NA	Solid	2540G		8
180-57326-9	CB-6 0-2'	Total/NA	Solid	2540G		9
180-57326-10	CB-6 10-12'	Total/NA	Solid	2540G		10
180-57326-11	CB-7 0-4'	Total/NA	Solid	2540G		11
180-57326-12	CB-8 0-2'	Total/NA	Solid	2540G		12
180-57326-13	CB-8 2-4'	Total/NA	Solid	2540G		13
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

DW INPDES RCRA Other:

TAL-8210(0713)

Chain of Custody Record

146510

THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Doug Dusko	Regulatory Program: <input type="checkbox"/> DW <input type="checkbox"/> INPDES <input type="checkbox"/> RCRA <input checked="" type="checkbox"/> Other:
Company Name: Chester Engineers	Tel/Fax: 412 809-6718	Site Contact: 2. Mr. Dusko
Address: 1555 Coraopolis Hwy Rd	Lab Contact: V. Borromeo	Date: 8-8-16
City/State/Zip: Moon Twp. PA 15108		Carrier: Chest
Phone: 412 809-6718		COC No: 0B16-01
Fax: 412 809-6611		1 of 2 COCs
Project Name: Lexington Tech Park		Sampler:
Site: 11 "		For Lab Use Only:
PO #		Walk-in Client:
		Lab Sampling:
		Job / SDG No.:

Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp., G=Grab)	Matrix	# of Cont.	Sample Specific Notes:
CB-1	2 - 4'	8/8/16	0925	G	S	6	TAL Methods
CB-1	6 - 8'		0935				TCL SVOLs
CB-2	0 - 4'		1026				TCL VOLs
CB-2	6 - 8'		1036				Perform MS / MSD (Y/N)
CB-4	0 - 2'		1226				Filterd Sample (Y/N)
CB-4	4 - 8'		1225				Perfom MS / MSD (Y/N)
CB-5	4 - 6'		1320				Sample Specific Notes:
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

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No	Custody Seal No.: <input type="checkbox"/> Company: Chester	Cooler Temp. (°C) <input type="checkbox"/> <input type="checkbox"/> Received by: <input type="checkbox"/> Company: John	Date/Time: 8/9/16 10:45
Relinquished by: <input checked="" type="checkbox"/> Doug Dusko	Company: <input type="checkbox"/> Received by: <input type="checkbox"/> Company: John	Date/Time: <input type="checkbox"/> Received by: <input type="checkbox"/> Company: John	Date/Time: <input type="checkbox"/> Received by: <input type="checkbox"/> Company: John
Relinquished by: <input type="checkbox"/> Date/Time: <input type="checkbox"/> Received by: <input type="checkbox"/> Company: Date/Time: <input type="checkbox"/> Received by: <input type="checkbox"/> Company: Date/Time: <input type="checkbox"/> Received by: <input type="checkbox"/> Company:			

9/7/2016

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TestAmerica Pittsburgh

301 Alpha Drive

Chain of Custody Record

146511

TestAmerica

Pittsburgh, PA 15238

Phone: 412.963.7058 Fax: 412.963.2470

Client Contact

Chest Engineers

1535 Coraopolis Rd.

Moon Twp. PA 15108

Phone: 412.809-6718

Fax: 412.809-6611

Project Name: Lexington Tech Park

Site: 111

P.O.#:

Regulatory Program:

DW

NIPDES

RCRA

Other:

Project Manager: Doug Duszbala

Tel/Fax: 412.809-6718

Analysis Turnaround Time

CALENDAR DAYS

WORKING DAYS

TAT if different from Below

X 2 weeks

□ 1 week

□ 2 days

□ 1 day

Site Contact: C. Miller

Lab Contact: V. Bernt

Carrier: Chester

Date: 8/8/16

COC No: 0816-01

COCs

Sampler:

For Lab Use Only:

Walk-in Client:

Lab Sampling:

Job / SDG No.:

Sample Specific Notes:

Performed Sample (Y/N)

Perform MS/MS (Y/N)

Filtered Sample (Y/N)

Sample Specific Notes:

Sample Identification

Sample Date

Sample Time

Sample Type

(C=Comp, G=Grab)

Matrix

of Cont.

CB-8 2-4'

8/8/16

1625

G

S

6

NNX

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

Archive for _____ Months

Disposal by Lab

Return to Client

Special Instructions/QC Requirements & Comments:

Custody Seals Intact:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Custody Seal No.:	3512	Container Temp. (°C) Obsd:	6	Corr'd:	6	Therm ID No.:	6
Relinquished by:	<i>Doug L. Durbil</i>		Company:	<i>Chester</i>	Date/Time:	<i>8/9/16</i>	Received by:	<i>John J. Donahue</i>	Date/Time:	<i>8/9/16</i>
Relinquished by:			Company:		Date/Time:		Received in Laboratory by:		Date/Time:	

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Login Sample Receipt Checklist

Client: Chester Engineers, Inc.

Job Number: 180-57326-1

Login Number: 57326

List Source: TestAmerica Pittsburgh

List Number: 1

Creator: Neri, Tom

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	